

## C.V. — MARK LINDHOUT

**Name:** Mark Lindhout  
**Tel.:** +49 160 97 08 21 23  
**E-mail:** [moin@marklindhout.com](mailto:moin@marklindhout.com)  
**Location:** Rendsburg, DE



### Core Skills

- ▶ Software Architecture
- ▶ Software Consulting
- ▶ DevOps
- ▶ CI/CD
- ▶ Process optimization
- ▶ Software Development

### Programming Languages

- ▶ Go
- ▶ JavaScript (ES5/6/7, TypeScript)
- ▶ Python

### Languages

- ▶ **German:** Fluent
- ▶ **English:** Fluent
- ▶ **Dutch:** Native speaker

### Education

- ▶ 2001, **Saxion Hogeschool Enschede**  
Specialization: **Multimedia Design & Technology**  
Degree: Higher Education Minor  
Location: Enschede, NL
- ▶ 2006, **AKI Academy of Fine Arts**  
Specialization: **Mixed Media**  
Degree: Bachelor of fine Arts  
Location: Enschede, NL

### Certifications

- ▶ **ISAQB Certified Professional for Software Architecture** — Foundation Level  
[\[Link to certificate\]](#)
- ▶ University of California, Irvine.  
“**Functions, Methods, and Interfaces in Go**”  
[\[Link to certificate\]](#)
- ▶ University of California, Irvine.  
“**Concurrency in Go**”  
[\[Link to certificate\]](#)

## Professional History

### Lead Software Engineer, Software Architect (Permanent)

Colenio GmbH – Siegburg, remote (2024-2025)

At Colenio I am team lead for a high-stakes defense industry project, running distributed container-applications. I handle development, team coordination, implementation of Agile practices, and front-end-development.

**Skills:** Go, CI/CD, Shell, Gitlab, Gitlab CI, Linux, Docker, GIT, APIs, React, Node.js, ES5, ES6, ES7, Kubernetes, ArgoCD, Argo Workflows

### DevOps Engineer (Freelance)

Univention GmbH – Bremen, remote (2023, 6 Months)

At Univention I help the development department to get up and running with automated testing on the OpenStack platform. I analyze, rebuild, and develop compliant CI/CD processes for Linux builds, tests, and deployments.

**Skills:** CI/CD, Pipelines, OpenStack, Ansible, Python, Shell Scripting, Gitlab, Gitlab CI, Linux, Docker, GIT, APIs

### Lead Software Engineer (Freelance)

Univention GmbH – Bremen, remote (2022, 9 Months)

At Univention I supported the Sovereign Workplace team to set up solid Agile processes. I also create reliable, compliant CI/CD processes for Python, Java, and Docker builds, tests, and deployments.

**Skills:** Scrum, Agile, Team Lead, Docker, GIT, GitLab, GitLab CI, APIs, Python, Node.js, Vue.js, Typescript, Linux, Shell

### Lead Software Engineer (Freelance)

Bit.ly Europe – Bielefeld, remote (2022, 6 Months)

At Bitly Europe I support a team by bringing my engineering seniority into the mix. I help decide technical strategy and handle complex implementations. An important task is the development of architectural concepts, which bring the company to the next level in a time of strong growth.

**Skills:** Docker, GIT, GitHub, GitHub Actions, Stripe, AWS, APIs, Node.js, Vue.js, Typescript, PHP, Go.

## Senior Software-Developer, Dev-Ops Consultant (Freelance)

Phoenix Contact – Blomberg, remote (2021, 6 Months)

At Phoenix Contact I develop, maintain, and run a Django web application. I develop the front-end using Vue.js, Parcel, SCSS, NPM, Node.js, and various flavors of modern ECMA-Script, and develop parts of the back-end using Python, Django, which runs on a Linux server using Apache and Docker. This all is tested, deployed, and connected using GitLab, GitLab CI, and a helping of Ansible.

**Skills:** Django, Ansible, Python, Linux, CD, CI, Node.js, Vue.js, GitLab, GitLab CI, Docker, Python.

## Senior Software-Developer, Consultant (Freelance)

Europace AG – Berlin, remote (2020, 7 Months)

I returned to Europace to help out a small team in developing a Node.js-based cloud application. Working with all kinds of AWS services, GitHub and all its many features, and using a modern, Typescript-based stack with CDK for cloud deployments.

**Skills:** Linux, CD, CI, Node.js, JavaScript, Typescript, CDK, GitHub, GitHub Actions, AWS, Lambda, Cloudformation, Cloudwatch, DynamoDB, S3, CDK, Docker.

## Senior Software-Developer, DevOps-Engineer (Freelance)

Agency Software – Berlin, remote (2019 & 2020, 6 months)

For this project, I set up a complete Sails.js web application from scratch, including data imports, installation, and deployments. I built DevOps tooling to reliably deploy and install the application, as well as provision the servers it is running on.

**Skills:** Ansible, Linux, Server Admin, Ubuntu, Hetzner Cloud, CI, CD, Node.js, JavaScript, Sails.js, GIT, GitHub, Docker.

## DevOps Engineer, DevOps Consultant (Freelance)

Europace AG – Berlin (2019, 6 months)

In this project at Europace, I work with the Solutions-team to improve the setup and roll-out of their Java-based micro-services. I help them optimize and improve their build- and deployment-workflow, and to make their service delivery more robust and reliable.

**Skills:** GitLab, CI, CD, AWS, S3, EC2, ELB, Cloudfront, ElasticSearch, Docker, Docker Swarm, Ansible, Python, Linux, Vagrant, Shell, Virtualbox, Rocket, Kubernetes, LXD, LXC.

## DevOps Consultant, Build-Pipeline Hero (Freelance)

Europace AG – Berlin (2019, 3 months)

At Europace I work with the local build-pipeline heroes to improve, optimize, and modularize their CI-pipelines. I help implement Gitflow as a development strategy, and collect and spread knowledge about development, best practices, optimization, and other CI-related subjects.

**Skills:** Continuous Integration, CI, CD, Teamcity, Git, Bash, XML, Maven, Linux, AWS, S3, EC2.

## Senior Software Developer, Node.js, Front-End (Freelance)

Bundesdruckerei – Berlin (2018, 4 months)

At the Bundesdruckerei I developed several user interfaces for Smart-card applications. I use various industry standard processes for the creation of specifications, wire-frames, and the first round of user experience design. The applications I worked on are implemented with common front-end technologies.

**Skills:** Object-Oriented Vanilla JavaScript, ES5, ES6, Node.js, WebSockets, Browser Extensions, Python, Bash, GIT, GitLab, SSL, FFMPEG, Video Encoding, Video Transcoding, Wireframing, UI Design, UX Design.

## Senior Software Developer, JavaScript, Node.JS (Freelance)

Nowtilus GmbH – Berlin (2018, 5 months)

I've aided the very small team in the development of the Nemo Bridge application, deployment work-flows, and the implementation of a continuous integration and continuous delivery setup. I've done a great deal of server management and IT automation with Ansible here, and severely cleaned up, and stabilized the Nemo Bridge runtime, which is used to manage media-, metadata- and transcoding-services that deliver live TV streams, video-on-demand and video advertisements.

**Skills:** Ansible, Node.js, REST APIs, AWS, S3, EC2, Cloudfront, RDS, DocumentDB, SSH, Git, Linux, FFMpeg, GPAC, MP4Box, Python, JSON, XML.

## Senior Software Developer, JavaScript, Front-End (Freelance)

Aklamio – Berlin (2016, 1 year, 3 month)

I've developed the core JavaScript libraries for Aklamio's referral portals. These libraries communicate with in-house Ruby APIs, and offers advertisers the capabilities to handle user registration, do Aklamio account logins, and to generate user-to-user recommendations. At Aklamio I have also developed the Cashbar browser extension for Chrome and Firefox browsers. This extension allows recommendations, logins, and account registration from within your web browser.

**Skills:** JavaScript, ES3, ES5, ES6, Node.js, Ansible, Varnish, NginX, GIT, GitLab, AWS (S3, EC2, ELB), PHP, Wordpress, Symfony, Vagrant, Ubuntu, Debian, SSH, Gulp, Browser extensions, WebExtensions API.

## Senior Software Developer, Front-End (Freelance)

Publicis Pixelpark – Berlin (2016, 3 months)

At Pixelpark I work on front-end projects within a team of designers, back-end developers and quality assurance engineers.

**Skills:** GIT, GitLab, Bash, Debian, Virtualbox, Vagrant, Javascript, jQuery, Node.js, Gulp, PostCSS, CSS3, HTML5.

## Consultant, Web Performance Optimization (Freelance)

Aklamio – Berlin (2016, 1 month)

For Aklamio, I analyzed their web stack and reported on issues pertaining to their server performance. I offered overviews of bottlenecks and reported practical performance solutions for Varnish Cache and NginX, but also for improved JavaScript performance in Aklamio's widely-used social widget. A combination of improved cache configuration, better web stack performance and improvements to client-side code greatly extends the lifetime of the application as well as the hardware it's running on. It saves cost, bandwidth, power, and reduce client-side requirements.

**Skills:** Ansible, Varnish, NginX, Siege, AB, NC, GIT, GitLab, Bash, Python, Ubuntu, Debian, Vagrant

## DevOps Engineer, WordPress (Freelance)

Sparkassen-Finanzportal GmbH – Berlin (2016, 4 months)

At SFP I work on creating, testing and maintaining the developer workflow for WordPress web applications. This workflow is comprised of Ansible and relevant shell scripts, and run on a Jenkins continuous integration server that handles provisioning of web and mail servers, load balancers, and monitoring servers, and takes care of the deployment of WordPress. The workflow assures maintained server integrity (system updates and security patches) and implements access control lists (ACL), caching, load balancing, monitoring, dependency management, and many more.

**Skills:** Ansible, Varnish, NginX, Node.JS, Munin, AWS, WordPress, PHP, GIT, Bash, YAML, Ubuntu, Debian, Virtualbox, Vagrant.

## Senior Software Developer, WordPress Plug-Ins (Freelance)

Sparkassen-Finanzportal GmbH – Berlin (2016, 3 months)

At the Sparkassen-Finanzportal I developed several WordPress plug-ins that are actively being used on their Intranet. These plug-ins hooked into a SOAP web service and performed various verification actions to ensure high data quality. A special focus in these projects was digital security and data protection.

**Skills:** WordPress, PHP, GIT, Bash, Javascript, jQuery, Node.js, Grunt.js, LESS, CSS3, HTML5.

## Senior Software Developer, WordPress, Front-End (Freelance)

Raisin GmbH – Berlin (2014-2015, 1 year and 6 months)

At Raisin I've worked as a freelance front-end and PHP developer. I set up the entire website (based on WordPress) and accompanying IT-infrastructure. Later on, I worked as part of the front-end development team and consulted the developers, IT-department and product owners in larger projects. I set up coding standards, version control, developer machines, web server and caching server configuration. I developed a theme framework for the deployment of all the company's international web sites.

**Skills:** WordPress, PHP, GIT, GitLab, Linux, NGINX, Bash, YAML, Virtualbox, Vagrant, Puppet, Ansible, Javascript, jQuery, Node.js, Grunt.js, LESS, HTML5, CSS3.

## Senior Software Developer, Front-End (Freelance)

Immobilienscout24 – Berlin (2013-2014, 1 year and 3 months)

Freelance, part of the front-end team at Immobilienscout24. I helped this department to improve their workflow by introducing front-end build systems to improve productivity and reduce errors. I set up a build-chain focusing on optimization and cross-platform compatibility. Closely worked with designers, product owners and back-end developers in implementing a new responsive design for the B2B back-end of the web site. In my time at Immobilienscout24 the front-end team developed a CSS framework for quick and easy creation of Immobilienscout24-themed prototypes.

**Skills:** Javascript, jQuery, YUI3, Node.js, Grunt.js, LESS, HTML5, CSS3, PHP, SVN, GIT, Jira.

## Software Developer, Front-End (Freelance)

JustBook – Berlin (2013, 2 months)

As a freelancer at JustBook, I developed against their Python-driven platform. This was already providing the mobile apps, and I made the desktop web application a reality.

**Skills:** Javascript, jQuery, HTML5, CSS3, Modernizr, Django Templating, GIT.

## Software Developer, Front-End (Freelance)

ANWB – Den Haag (2012, 1 month)

As a freelancer at the ANWB, I worked on various parts and various applications for the high-traffic ANWB website. Here I worked with PHP, Varnish, CSS, HTML5 and Javascript. Focus was on the development of rich HTML5 web pages with jQuery on the Front-End and Hippo 7 as a CMS.

**Skills:** CSS3, HTML5, jQuery, Modernizr, Javascript, PHP, GIT.

## Software Developer, Front-End (Freelance)

Tam Tam – Rijswijk (2012, 2 months)

As a freelancer at Tam Tam, I worked on a web applications that serves as a market-place for private contractors in the construction field. I developed prototypes and final Front-End code according to the principle of progressive enhancement with a responsive design for iPad, iPhone and Android platforms.

**Skills:** PHP, Less, CSS2, CSS3, HTML5, jQuery, Modernizr, GIT.

## Software Developer, Front-End (Freelance)

Cendris – Den Haag (2011-2012, 3 months)

As a freelancer at Cendris (part of PostNL) I worked as a Front-End developer on various web applications. I created the visual identity, did the web design, and coded the Drupal 6 themes for these web apps. The themes were adjusted to work well on desktops as well as on smart mobile devices such as iPhone, iPad and Android tablets and phones.

**Skills:** PHP, Javascript, jQuery, Modernizr, HTML4/5, CSS2/3, Interface Design, CVS.

## Software Developer, Front-End (Freelance)

Cobeco Pharma – Rotterdam (2011, 6 months)

My work as a freelancer here entailed the building, designing and management of two websites: corporate site and e-commerce solution. I took care of the complete implementation, including theming, analytics, email and online marketing.

**Skills:** PHP, WordPress, Linux Server Admin, Bash, Email, MailChimp, jQuery, Modernizr, Javascript, CSS2-3, HTML5, SVN.

## Front-End Developer, Designer

Trancon – Nieuw-Vennep (2010, 8 months)

Trancon build e-commerce and logistic management software (WMS). At Trancon I filled the position of all-round designer for print, web, interface and user experience. I re-imagined Trancon's corporate identity, providing them with everything from a new logo to presentation templates. I also worked on the marketing of the two flagship products, both through email and online. I converted their two main product sites to WordPress, from installing and configuring the server to the template realization and Front-End optimization and cross-browser compatibility. The themes were optimized to work with desktops as well as tablets like the iPad.

**Skills:** PHP, WordPress, CSS, HTML, jQuery, Javascript, Linux Server Admin, Bash, SVN, Team Foundation Server.



## Concept, Design, Code, Sysadmin (Freelance)

Het Webambacht – Rotterdam (2010-2013)

Het Webambacht is a collective of freelancers from the Netherlands. I fill the role of concept developer, designer and coder; a sort of all-round Front-End developer and designer with a healthy dose of system administration. Here, I take care of the complete package; from strategy development to design, from development to actual hosting. I work together with professionals in copywriting, illustration, photography, video production and on-line marketing to complete my skills.

**Skills:** Front-End Development, JavaScript, ECMA-Script, ES3, ES5, HTML, CSS, PHP, Python, Bash.

## Front-End Developer, Owner (Freelance)

M.P. Lindhout – The Netherlands (2001-2013)

I'm a freelance Front-End developer and designer with a love for good typography and free software. Over the years I've done everything that has to do with the web; managing content, installation of servers and everything in between. More recently I've focused on the technical aspects of running web sites such as hosting, back-end code and server administration.

**Skills:** Front-End Development, JavaScript, ECMA-Script, ES3, ES5, HTML, CSS, PHP, Python, Bash.

## Front-End Developer, Designer

Madcap – Hardinxveld (2009, 6 months)

This company develops sites on the Drupal platform. My role here was the development of themes and templates for Drupal 5 and 6 and consulting for usability and interface design.

**Skills:** Drupal, PHP, CSS, HTML, jQuery, Modernizr, JavaScript, SVN, Bash.

## Web Designer

E-touch – Zaltbommel (2000)

Design of various web sites for a wide range of clients. Implementation of design into front end code. The main focus was compatibility across all browsers, javascript development, and the production of standards-compliant HTML.

**Skills:** Front-End-Development, HTML, CSS, JavaScript, Windows, Adobe Photoshop

## Web Designer

G2o – Lienden (1999)

At G2o I designed and coded static websites. I used HTML, Javascript and CSS to build cross-browser compatible web sites – Internet Explorer 4, anyone?

**Skills:** Front-End-Development, HTML, CSS, JavaScript, Adobe Photoshop

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