

Mark Lindhout

Software Architect / Lead Software Engineer / DevOps Engineer

Contact Information

Name: Mark Lindhout
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Location: Rendsburg, Schleswig-Holstein, Germany



Skills

Core Competencies

Software architecture, software engineering, frontend development, CI/CD pipelines, and DevOps. Experienced in designing, building, and maintaining scalable, maintainable systems and complex web applications, with end-to-end expertise spanning DevOps, backend, and frontend development.

Programming Languages

Go (Golang), TypeScript, JavaScript (ES5–ES7), Python, Bash, YAML, HTML, CSS.

Frontend Development

Vue.js, React, HTML, CSS, Webpack, Parcel, Vite, JavaScript (ES5–ES7), TypeScript.

Backend Development

Go (Golang), Python, Node.js, PHP, microservices architecture, monolithic architecture.

DevOps

Ansible, Docker, GitLab CI, GitHub Actions, Jenkins, TeamCity, Kubernetes, OpenStack, Docker Swarm, OpenShift, Vagrant, VirtualBox, load balancing, SSH, shell scripting.

CI/CD

Deployment workflows, test pipelines, artifact delivery, quality assurance, GitLab CI, GitHub Actions, Jenkins, TeamCity.

Version Control

Git, GitLab, GitHub, Subversion (SVN), Mercurial.

Servers & Web Technologies

Linux administration, Nginx, Lighttpd, Apache, Varnish, FastCGI caching, load balancing.

Testing & Quality Assurance

Unit testing, integration testing, end-to-end testing, smoke testing, pytest, Jest, Istanbul, Go Test.

Project Management

Jira, GitLab, Mantis, Trello.

Professional Experience

Software Architect, Lead Software Engineer

Mecom GmbH — Hamburg (*since 2025*)

As part of the team developing the user interface for Germany's **MoWaS** public warning system, I am responsible for software architecture, stakeholder coordination, cross-team collaboration, frontend development, CI/CD pipeline design (including tooling), and advising on technology selection and API design.

Technologies: TypeScript, Node.js, JavaScript, Linux, Bash, CI/CD, GitLab, GitLab CI, Docker, Git, APIs, Angular, Lit, Web Components, ES5, ES6, ES7, Kubernetes, Argo CD, HTML, CSS.

Lead Software Engineer

Colenio GmbH — Siegburg, Germany (*Remote, 2024–2025*)

Led the development of a distributed container-based application for the defence industry. Responsibilities included software development, team coordination, implementation of agile development practices, frontend engineering, contributing to architectural decisions, and working closely with stakeholders.

Technologies: Go (Golang), Node.js, JavaScript, TypeScript, CI/CD, Shell, GitLab, GitLab CI, Linux, Docker, Git, APIs, React, Vue.js, ES5, ES6, ES7, Kubernetes, Argo CD, Argo Workflows, HTML, CSS.

DevOps Engineer (Contract)

Univention GmbH — Bremen, Germany (*Remote, 2023 – 6 months*)

Supported the engineering organisation in building automated testing for the OpenStack platform. Analysed, redesigned, and implemented CI/CD processes for Linux builds, testing, and deployments while ensuring compliance with organisational standards.

Technologies: CI/CD, Pipelines, OpenStack, Ansible, Python, Shell Scripting, GitLab, GitLab CI, Linux, Docker, Git, APIs.

Lead Software Engineer (Contract)

Univention GmbH — Bremen, Germany (*Remote, 2022 – 9 months*)

Supported the **Sovereign Workplace** team by introducing agile development practices and designing reliable, compliance-focused CI/CD pipelines for Python, Java, and Docker-based applications.

Technologies: Scrum, Agile, Team Leadership, Docker, Git, GitLab, GitLab CI, APIs, Python, Node.js, Vue.js, TypeScript, Linux, Shell.

Lead Software Engineer (Contract)

Bitly Europe — Bielefeld, Germany (*Remote, 2022 – 6 months*)

Provided technical leadership during a period of rapid growth by contributing to the engineering strategy, designing software architecture, and implementing complex technical solutions to support the company's continued expansion.

Technologies: TypeScript, PHP, Go (Golang), Docker, Git, GitHub, GitHub Actions, Stripe, AWS, APIs, Node.js, Vue.js, HTML, CSS.

DevOps Engineer / Senior Software Engineer (Contract)

Phoenix Contact — Blomberg, Germany (*Remote, 2021 – 6 months*)

Developed and maintained a Django-based web application, building the frontend with Vue.js, Parcel, SCSS, Node.js, TypeScript, and modern ECMAScript. Implemented backend functionality in Python/Django and deployed the application on Linux using Apache and Docker. Designed and maintained CI/CD pipelines with GitLab and Ansible.

Technologies: Python, Django, Node.js, TypeScript, Vue.js, Ansible, Linux, Apache, Docker, GitLab, GitLab CI, CI/CD, HTML, CSS.

Senior Node.js & Frontend Software Engineer (Contract)

Europace AG — Berlin, Germany (*Remote, 2020 – 7 months*)

Joined a small engineering team developing a cloud-native Node.js application. Worked extensively with AWS services, GitHub Actions, and a modern TypeScript stack using AWS CDK for infrastructure and deployment. Contributed to architectural decisions and collaborated closely with stakeholders to shape the technical direction of the project.

Technologies: JavaScript, TypeScript, Node.js, Linux, GitHub, GitHub Actions, AWS, Lambda, CloudFormation, CloudWatch, DynamoDB, Amazon S3, AWS CDK, Docker, CI/CD.

DevOps Engineer / Senior Software Engineer (Contract)

Agency Software — Berlin, Germany (*Remote, 2019–2020 – 6 months*)

Designed and built an entire Sails.js web application from the ground up, including data import, deployment, and infrastructure. Developed DevOps tooling for automated provisioning, deployment, and server management, taking full ownership of the software architecture and all related technical decisions.

Technologies: JavaScript, Node.js, Sails.js, Ansible, Linux, Ubuntu, Hetzner Cloud, Docker, Git, GitHub, CI/CD, HTML, CSS.

DevOps Engineer (Contract)

Europace AG — Berlin, Germany (*2019 – 6 months*)

Worked with the Solutions team to improve the build and deployment processes for Java-based microservices. Focused on increasing deployment reliability and streamlining service delivery through automation and infrastructure improvements.

Technologies: Python, Ansible, GitLab, CI/CD, AWS, Amazon S3, EC2, Elastic Load Balancing (ELB), CloudFront, Elasticsearch, Docker, Docker Swarm, Linux, Vagrant, Shell, VirtualBox, Kubernetes, LXD, LXC.

DevOps Engineer / Senior Software Engineer (Contract)

Europace AG — Berlin, Germany (*2019 – 3 months*)

Supported the Continuous Integration team by optimising and modularising build pipelines. Introduced GitFlow as the team's development workflow and promoted CI/CD best practices across the engineering organisation.

Technologies: Continuous Integration, CI/CD, TeamCity, Git, Bash, XML, Maven, Linux, AWS, Amazon S3, EC2.

Senior JavaScript & Frontend Software Engineer (Contract)

Bundesdruckerei — Berlin, Germany (2018 – 4 months)

Developed user interfaces for smart card applications, including functional specifications, wireframes, and initial UX concepts. Implemented modern frontend solutions using contemporary JavaScript technologies.

Technologies: Node.js, JavaScript (ES5, ES6), Object-Oriented JavaScript, WebSockets, Browser Extensions, Python, Bash, Git, GitLab, SSL, FFmpeg, Video Encoding, Video Transcoding, Wireframing, UI Design, UX Design, HTML, CSS.

Senior JavaScript & Node.js Software Engineer (Contract)

Nowtilus GmbH — Berlin, Germany (2018 – 5 months)

Supported a small engineering team in the development and deployment of the **Nemo Bridge** platform. Designed and implemented a robust CI/CD environment while carrying out extensive server administration and infrastructure automation using Ansible.

Technologies: Node.js, Python, Ansible, REST APIs, AWS, Amazon S3, EC2, CloudFront, Amazon RDS, DocumentDB, SSH, Git, Linux, FFmpeg, GPAC, MP4Box, JSON, XML, HTML, CSS.

Senior JavaScript & Frontend Software Engineer (Contract)

Aklamio — Berlin, Germany (2016 – 1 year 3 months)

Developed the core JavaScript libraries powering Aklamio's referral platform. These libraries integrated with internal Ruby APIs to support user registration, authentication, and referral functionality. Additionally, developed the **Cashbar** browser extension for Chrome and Firefox, bringing these features directly into the browser.

Technologies: JavaScript, Node.js, ES3, ES5, ES6, PHP, Ansible, Varnish, Nginx, Git, GitLab, AWS, Amazon S3, EC2, Elastic Load Balancing (ELB), WordPress, Symfony, Vagrant, Ubuntu, Debian, SSH, Gulp, Browser Extensions, WebExtensions API, HTML, CSS.

Senior Frontend Software Engineer (Contract)

Publicis Pixelpark — Berlin, Germany (2016 – 3 months)

Worked as part of a multidisciplinary team consisting of designers, backend developers, and QA engineers, with primary responsibility for developing modern frontend applications.

Technologies: JavaScript, Node.js, Python, Git, GitLab, Bash, Debian, VirtualBox, Vagrant, jQuery, Gulp, PostCSS, HTML, CSS.

Web Performance Consultant (Contract)

Aklamio — Berlin, Germany (2016 – 1 month)

Analysed Aklamio's web platform to identify performance bottlenecks and produced detailed optimisation recommendations. The project focused on Varnish, Nginx, and JavaScript performance for the company's widely deployed social widget, resulting in reduced server load, lower bandwidth usage, and improved client-side performance.

Technologies: Python, Ansible, Varnish, Nginx, Siege, ApacheBench (ab), Netcat (nc), Git, GitLab, Bash, Ubuntu, Debian, Vagrant.

DevOps Engineer, Senior Software Developer (Freelance)

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

I created, tested and maintained the developer workflow for WordPress applications. Using Ansible, shell scripts and Jenkins, I automated provisioning, deployment and server maintenance (including ACLs, load balancing, monitoring, security updates).

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

Senior Software Developer (Freelance)

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

I developed several WordPress plugins for the savings banks' intranet. The plugins communicated with a SOAP web service and performed data validation - with a particular focus on data protection and IT security.

Technologies: PHP, Node.js, JavaScript, WordPress, PHP, GIT, Bash, jQuery, Grunt.js, LESS, CSS, HTML.

Senior Software Developer (Freelance)

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

At Raisin I worked as a freelance frontend and PHP developer. I implemented the entire website (based on WordPress) including the IT infrastructure. Later I was part of the frontend team and supported developers, IT department and product owners on larger projects. I defined coding standards, set up developer environments, configured web and caching servers, and developed a theme framework for the company's international websites.

Technologies: PHP, JavaScript, Node.js, WordPress, Ansible, GIT, GitLab, Linux, NGINX, Bash, YAML, Virtualbox, Vagrant, Puppet, jQuery, Grunt.js, LESS, HTML, CSS.

Senior Software Developer Front End (Freelance)

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

I was part of the frontend team and helped improve workflows through modern build systems. I built an optimized build chain, worked closely with design, product management and backend and helped implement a new responsive design for the B2B portal. Meanwhile, the team developed a CSS framework for rapid prototyping.

Technologies: Javascript, Node.js, jQuery, YUI3, Grunt.js, LESS, HTML, CSS, PHP, SVN, GIT, Jira.

Senior Software Developer Front End (Freelance)

JustBook — Berlin (2013, 2 months)

I developed the desktop web application to complement the existing Python-based mobile app platform.

Technologies: Javascript, Python, jQuery, HTML, CSS, Modernizr, Django Templating, GIT.

Senior Software Developer Front End (Freelance)

ANWB — The Hague (2012, 2 months)

I worked on various applications for the highly trafficked ANWB website. The focus was on the development of extensive HTML5 pages with jQuery in the frontend and Hippo 7 as the CMS.

Technologies: PHP, JavaScript, CSS3, HTML5, jQuery, Modernizr, GIT.

Software developer front-end (freelance)

Tam Tam — Rijswijk (2012, 3 months)

I developed a web application as a marketplace for craft services in the construction industry. I created both prototypes and the final frontend based on responsive design and progressive enhancement.

Technologies: PHP, Less, CSS, HTML5, jQuery, Modernizr, GIT.

Software developer front-end (freelance)

Cendris — The Hague (2011-2012, 3 months)

At Cendris (part of PostNL) I worked as a frontend developer on various web applications. I developed the visual identity, created the web design and programmed the Drupal 6 themes. The themes have been optimized for desktop and mobile devices (iPhone, iPad, Android).

Technologies: PHP, Javascript, jQuery, Modernizr, HTML, CSS, Interface Design, CVS.

Software developer front-end (freelance)

Cobeco Pharma — Rotterdam (2011, 6 months)

I created two complete websites (corporate site and e-commerce solution), including design, implementation and administration. The complete implementation including hosting, analytics, email and online marketing was carried out by me.

Technologies: PHP, WordPress, Linux Server Admin, Bash, Email, MailChimp, jQuery, Modernizr, Javascript, CSS, HTML, SVN.

Front-end software developer

Trancon — Nieuw-Vennep (2010, 8 months)

Trancon develops e-commerce and logistics software (WMS). I was responsible for the entire corporate design (logo, templates, etc.), web and UI/UX design as well as marketing support. I converted two main product pages to WordPress and took care of server installation, templates and frontend optimization for desktop and tablet.

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

Software developer and sysadmin (freelance)

Het Webambacht — Rotterdam (2010-2013)

Het Webambacht is a Dutch freelance collective. My role: All-round front-end developer and designer with system administration skills. I cover the entire project cycle - from strategy and conception to design and development and hosting.

Technologies: Front-end development, JavaScript, ECMA script, ES3, ES5, HTML, CSS, PHP, Python, Bash.

Certifications

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

Languages

- ▶ **Deutsch (German):** Fluent (C1)
- ▶ **English:** Fluent (C2)
- ▶ **Nederlands (Dutch):** Native speaker (C2)

Educational History

- ▶ 2001, **Saxion Hogeschool Enschede**
Multimedia Design & Technology
Higher Education, Minor
Enschede, NL
- ▶ 2006, **AKI Akademie der Bildenden Künste**
Mixed Media
Bachelor of fine Arts
Enschede, NL