Dominik Finkbeiner

SOFTWARE & DEVOPS ENGINEER

Profile

Dominik is a technological leader and product engineer with more than ten years of experience. He has a strong background in CI/CD and DevOps as well as creating extraordinary end-user centric products. Dominik has helped to accelerate the cloud transformation at SAP by scaling CI/CD for more than 20,000 developers. He is a passionate team leader, speaker, coach and mentor of others.

Work Experience

CTO, 4Fahrt

2023 - now

- Developed an invoicing extension for the existing platform, streamlining and automating the entire invoicing process to maximise efficiency.
- Integrated a cloud accounting software to automate the synchronisation of invoice vouchers, simplifying collaboration with the client's tax consultant.
- Developed an industry-specific, lightweight CRM tool designed to streamline sales efforts and facilitate structured analysis of sales activities.

Go developer for Java services migration, Next Jump Inc.

2022 - 2023

- Migrated legacy payment and sales tracking infrastructure from Java/Python to Go, successfully decommissioning the outdated Java landscape and achieving cost savings.
- Rebuilt the marketing newsletter generator, incorporating parallel processing to substantially decrease the sending time by efficiently utilizing multiple computing resources, thereby enhancing scalability.
- Automated the synchronisation process of affiliate metadata, covering commission terms and the latest affiliate tracking URL, thereby safeguarding the client's ability to earn commissions by preventing broken links in their e-commerce platform.

Tech Lead CI/CD Infrastructure, SAP SE

2020 - 2022

- Lead an InnerSource project for CI/CD toolchain instantiation to streamline the technology stacks across different products and to foster contributions across team boundaries.
- Designed the project's architecture following the principles of cloud native development (kubernetes operator pattern) to build a resilient and scalable platform.
- Established the project's own DevOps process using a GitOps approach to reduce the lead time for changes and to mitigate human error.

Contact Details

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Links

https://calendly.com/finkes
https://github.com/finkes
https://linkedin.com/in/dfinkbeiner

Technologies

Programming Languages
JavaScript / TypeScript / Golang / Java / C#

Backend
Node.js / Express / Nest.js / Next.js/ Gin / RESTful APIs

Infrastructure
Kubernetes / Docker Swarm / GCP / Open Stack / Linux

Frontend
React / Next.js /Angular 2+ / AngularJS

Mobile
Android native development / Flutter / Unity

Database
MongoDB / Postgres / MySQL

CI/CD
Travis CI / Jenkins / Azure Pipelines / GitHub Actions / Tekton

Monitoring
Prometheus / Sentry

GitOps
ArgoCD / Terraform

Languages

German (native speaker)
English (professional)

Product Manager, SAP SE

2019 - 2022

- Defined the vision and the mission of the team and coached team members.
- Spoke at internal conferences to foster adoption of central tools by sharing the vision and latest innovations of the department.
- Designed a developer portal to accelerate adoption of central CI/CD services which reduced the setup time of product standard compliant CI/CD pipelines from a week down to 10 minutes.
- Established a central monitoring solution to measure the performance & failure rates of CI/CD pipelines caused by errors of central tools or IT infrastructure which sped up pipeline runtimes and increased pipeline reliability.
- Built up a cross functional development team by hiring new employees and freelancers.

Co-CTO Mathandoro

2017 - 2019

- Development of native mobile apps (iOS, android) to manage local sports clubs. Seed funding provided by NGO.

Software Engineer, SAP SE

2017 - 2019

- Established & operated a monitoring solution for development tools which improved the overall tool availability by 10% through transparency and automated alerts.
- Established & operated a containerized DevOps platform to reduce administrative overhead and infrastructure costs.
- Developed a ChatOps platform based on Slack to automate DevOps & administrative tasks following a micro service architecture so it can get extended decentrally by developers across the company.

Thesis Student, SAP SE

2015 - 2017

- Designed the architecture of a ChatOps platform based on microservices (Master Thesis).
- Developed a smart caching & prefetching middleware to improve UX of a web based application by speeding up page load time by factor x100.
- Developed tools to ensure productivity, FOSS license compliance, security and quality for the software development process at SAP.

Freelancer IT Consulting & Web Development

2012 - 2017

- Developed a research tool to measure emotional competency of children for the University of Landau (Faculty of Psychology).
- Developed & published mobile games for Android.
- Developed web pages & web shops for clients.

Vocational Training, SAP SE

2012 - 2015

- Designed an event content management system for conferences to speed up the content planning process for conferences (Bachelor Thesis).
- Contributed to various projects across departments as part of the vocational training program with a focus on web development, mobile development & DevOps.

Education

Hochschule für Technik & Wirtschaft, Karlsruhe

2015 - 2017

- M.Sc. - Computer Science (specialization: Software Engineering)

Duale Hochschule, Karlsruhe

2012 - 2015

- B.Sc. - Computer Science (specialization: Applied Computer Science)

Technisches Gymnasium, Mosbach

2012

- Abitur (specialization: Information Technology)