Hieu Le

@ hieule14@gmx.de 🔗 https://www.linkedin.com/in/hieule148/

Education		
	University of applied science Darmstadt	**2018 - 2021**
	Computer Science	Bachelor of Science
	FernUniversität Hagen	**2023 - 2025**
	Computer Science	Master of Science

Experience		
	Haeger Consulting GmbH	**08.2023 - Present**
	DevOps Engineer - Full time	Bonn, Germany
	Materna Information & Communications SE	**11.2021 - 08.2023**
	Cloud Engineer - Full time	Frankfurt am Main, Germany
	Pipepredict GmbH	**08.2019 - 12.2021**
	Part time Developer	Darmstadt, Germany

Assisted the CTO with web development, where I gained my first experience with React.js and Node.js. Following that, I completed my Bachelor's thesis on the topic: "Comparing Supervised Machine Learning for Leak Detection." The technical environment for this project included data processing, data visualization, machine learning with Python, and ML optimization.

Skills		
	Kotlin	Java
	TypeScript/JavaScript	Cloud-based Software Architechture
	React.Js / Next.Js	TailwindCSS
	Python	Quarkus
	Spring	Terraform
	ELK stack	Prometheus/ Grafana/ Loki
	Kubernetes/Helm/ArgoCD	AWS
	GCP	MS Azure
	Ansible	Git and CI/CD
	ITSM	Linux

Certifications		
	AWS Developer Associate	08.2022

Awards		
	Scholarship for international Student at Hochschule Darmstadt	09.2021

Languages			
	English	German	Vietnamese	French
				beginner

Projects	German Railway Billing Integration (Deutsche Bahn)	05.2024 - Present

German Railway Billing Integration (Deutsche Bahn)   05.2024 - Present
Site reliability engineer

- Managed and optimized two AWS cloud accounts, ensuring cost efficiency and scalability.
- Handled sales billing, revenue allocation to partners and service providers, and the integration of billing data into the client's general ledger (SAP).
- Ensured seamless operation of IT infrastructure, including troubleshooting and proactive monitoring.
- Implemented and customized infrastructure components while ensuring service availability and adherence to SLAs.
- Coordinated and conducted platform analysis and issue resolution, followed by thorough documentation and reporting.
- Advanced operational management concepts and ensured continuous improvement processes for infrastructure and services.

Project S - End-to-End Process Mining Visualization Platform (Non-disclosure)   01.2024 - present
Co-Owner

- Key role in the conception and planning phases, collaborating with stakeholders to define project requirements, architecture, and success metrics. Development and implementation of the application.
- Engineered core functionalities, including real-time process visualization using Next.js and Kotlin, delivering actionable insights into business processes.
- Architected and optimized caching strategies to improve system performance, while ensuring efficient data persistence through PostgresQL.
- Designed and implemented statistical models for complex process analysis, driving key business decisions.
- Managed infrastructure and automation workflows, ensuring seamless deployment, monitoring, and scaling of the platform to guarantee reliability and operational efficiency.

Inhouse DevOps Engineer (Haeger Consulting)   08.2023 - 05.2024
DevOps Engineer

- Defined and implemented the entire infrastructure using Infrastructure as Code (IaC) to ensure consistency and scalability, deploying the application in an Elastic Kubernetes Service (EKS) cluster using container technology and Helm Charts.
- Ensured that databases were highly available, distributed across multiple data centers, and fully encrypted to meet GDPR compliance requirements.
- Designed a robust CI/CD pipeline, automating the entire lifecycle from container image builds to infrastructure provisioning, resulting in seamless deployments and streamlined operations.

Sonepar Cross-platform E-commerce Mobile Application (Materna SE)   2023
Developer/ DevOps focus

- Led the Proof of Concept (POC) phase, collaborating with stakeholders to evaluate technical feasibility and define the project's roadmap.
- Assumed primary responsibility for DevOps and project configuration, implementing and managing CI/CD pipelines using Docker, GitLab, and Jenkins.
- Integrated quality assurance and security tools such as SonarQube and Dependency-Track to ensure code quality and vulnerability management.
- Oversaw the configuration and optimization of build processes with specialized build tools, streamlining development and deployment workflows for efficient delivery.

2Gether (Materna SE)   2022 - 2023
Developer/Coach

- Designed and developed multiple web applications to enhance collaboration and teamwork, leveraging modern technologies across the stack.
- Architected the backend using Kotlin with Spring Boot, following a serverless architecture to ensure scalability and flexibility.
- Implemented the frontend with TypeScript and React, delivering responsive and intuitive user interfaces.
- Deployed on AWS, utilizing Amazon Cognito for secure user authentication and identity management.
- Integrated PostgreSQL and DynamoDB for robust and efficient database management, ensuring high availability and scalability.

MIT Showcase (Materna SE)   2021 - 2022
Lead Developer

- Developed an IoT service using AWS IoT Core, hosted on a Raspberry Pi for on-site communication. The tech stack includes React.js, Python, AWS Lambda, and AWS SNS.