KLAUS DIETER KUPPER

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ABOUT ME

Full-Stack Software Engineer with international experience building scalable applications and developer tools. Skilled in React, TypeScript, Node.js, and cloud infrastructure, with strong expertise in DevOps automation, CI/CD, and backend integration. Passionate about delivering high-quality, maintainable code and improving system performance. Proven ability to design end-to-end solutions and collaborate effectively with cross-functional teams.

SKILLS

Core: React, TypeScript, Node.js, Spring Boot, Docker, SQL, AWS, DevOps, CI/CD, Authentication (Keycloak)
Additional: Python, Go, C#, Java, Angular, React Native, Next.js, Xamarin, C++, IoT (ESP, MQTT)
Tools & Practices: GitHub Actions, Redux, TailwindCSS, TimescaleDB, RFID/WMS Integration, Microservices Architecture, Agile/Scrum

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PROFESSIONAL EXPERIENCE

Plus10 GmbH – Stuttgart, Germany
Software Engineer | Aug 2023 – Present
- Designed and implemented new React and TypeScript features (dashboards, media uploads, search), improving usability and reducing bug reports by 15%.
- Built and maintained a custom Rich Text Editor (Plate.js, Slate.js, Tailwind), adopted by 100% of product teams and cutting editing time by 20%.
- Developed and enhanced Java Spring Boot backend services, adding new APIs and improving existing modules to support advanced features and ensure seamless frontend-backend integration.
- Automated workflows with CI pipelines, reducing deployment times from hours to minutes.
- Integrated Keycloak authentication and managed TimescaleDB migrations, ensuring zero downtime during upgrades.

Brasão Sistemas – Itajaí, Brazil
Full-Stack Developer | Jan 2023 – Aug 2023
- Led DevOps migration to AWS EC2, reducing infrastructure costs by 25% and improving deployment reliability.
- Containerized services with Docker and implemented CI/CD pipelines, cutting release cycles from 2 weeks to 3 days.
- Developed a secure document-signing process with 2FA and hashing, increasing system trust and reducing fraud incidents.
- Implemented new microservices and features in Node.js and React, improving system scalability and maintainability.

Hasar Brazil – Brusque, Brazil
Software Development Intern | May 2022 – Dec 2022
- Developed and integrated C# APIs in .NET with Xamarin apps, enabling faster mobile feature delivery.

- Built React Native and Next.js applications that improved user engagement and reduced load times by 30%.
- Implemented RFID and WMS solutions, reducing inventory errors by 20% and improving warehouse efficiency.

Levante Lab – Florianópolis, Brazil
IoT Developer | Jun 2020 – May 2022
- Designed IoT devices for agricultural automation using C++ and ESP platform, reducing manual workload by 40%.
- Integrated sensors and displays with MQTT communication for real-time monitoring across multiple farms.
- Delivered end-to-end hardware-software solutions that improved crop monitoring accuracy and efficiency.

EDUCATION

University of Vale do Itajaí (UNIVALI) – Itajaí, Brazil
Master's in Applied Computing | 2024 – Present

Federal University of Santa Catarina (UFSC) – Florianópolis, Brazil
Bachelor's in Control and Automation Engineering | 2017 – 2023

Driven Education – Rio de Janeiro, Brazil
Technical Full-Stack Development Bootcamp | Jan 2022 – Dec 2022

CERTIFICATIONS & AWARDS

- **Microsoft Azure Fundamentals (AZ-900)** – Microsoft | Jun 2025
- **GitHub Foundations** – GitHub | May 2025
- **HackaPower Winner 2021** – SICT, Agit, Fapergs & Criatec | May 2021

LANGUAGES

- Portuguese – Native
- English – Fluent