
Work Experience

Mid-Senior Level Software Engineer **Grupo Koch S.A.** **Oct 2023 - Present**

- Managed a multi-server Docker Swarm cluster for Development, Staging, and Production environments, with robust health checks and quick rollback capabilities. Maintained a private Docker Image Registry for secure and optimized image management.
- Deployed high-performance applications, handling 770 requests per second on a REST server by using Redis caching, Cache-First principles, and data replication. Utilized a Load Balancer to distribute traffic across instances.
- Implemented end-to-end testing with Supertest, Jest, and Cypress to ensure code quality and smooth deployments across all environments.

Entry Level Software Engineer **Grupo Koch S.A.** **Sep 2022 - Oct 2023**

- Set up and managed a reverse proxy infrastructure using Nginx and Docker on an Ubuntu VM hosted on Oracle Cloud, efficiently handling all enterprise applications.
- Led the implementation of a CI/CD system with GitHub Actions, significantly streamlining the deployment process.
- Developed internal applications adhering to SOLID principles, using TypeScript, JavaScript, and frameworks such as Next.js, TRPC, and Express. Integrated with various systems, including Oracle SQL databases.

Software Engineer **Freelance** **Oct 2022 - Present**

- Developed websites for clients in sectors from Beauty to Real Estate, including a single-page web app for Stock Media purchases that served over 2,000 users.
- Managed client hosting using Vercel for Next.js deployments and Oracle Cloud for databases and Node.js apps, leveraging TypeScript for type safety.
- Worked with NoSQL (MongoDB) and relational databases (MySQL, PostgreSQL, MariaDB), and employed monitoring tools like RabbitMQ and Elastic Stack (Elasticsearch, Kibana, Logstash).

Education

B.S. Computer Science **Expected December 2025**
Universidade do vale do Itajaí *Itajaí, Brazil*

Open Source Contributions

- Developed websites for clients in sectors from Beauty to Real Estate, including a single-page web app for Stock Media purchases that served over 2,000 users.
- Managed client hosting using Vercel for Next.js deployments and Oracle Cloud for databases and Node.js apps, leveraging TypeScript for type safety.

Skills

Software: (*Proficient*): Typescript, Javascript, Docker, Git, Nginx, HTML/CSS, SQL, (*Familiar*): Rust, Bash, Python, Java, C++, Kotlin