

Lucas Diedrich

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Summary

Senior Software Engineer with 9+ years of fullstack development experience, adept at designing scalable APIs and dynamic UIs. Specializes in Node.js and React, with a foundation in event-driven and microservices architectures. Demonstrated success in building high-quality, secure applications and implementing DevOps practices on AWS and Docker. Proven ability to optimize system performance and ensure reliability in fast-paced, complex environments.

Skills

- **Languages & Frameworks:** Node.js, TypeScript, JavaScript, React, Angular, NestJS, Sails.js
- **Databases:** PostgreSQL, MySQL, MongoDB, NoSQL (DynamoDB)
- **Architecture:** Event-driven, Microservices, Functional Programming (FP-TS)
- **DevOps & Tools:** AWS, Docker, Terraform, GitLab CI/CD, Puppet, Ansible, Kubernetes
- **Testing & Automation:** Selenium/Webdriver, Jest, Cypress
- **Other:** Linux administration, API design, Security, Performance optimization, Software Engineering Best Practices

Professional Experience

BairesDev

Mar 2022 - Present

Senior Software Engineer

- Designed scalable event-driven financial services using Kafka, supporting thousands of banking users.
- Refactored core systems to enhance reliability and reduce downtime by 30%.
- Integrated third-party APIs to enable secure banking operations.
- Implemented CI/CD pipelines in GitLab to streamline release cycles.

Datacase Technologies

Feb 2018 - Present

Fullstack Engineer

- Developed the Eventu ticketing system using Angular and Sails.js, enabling secure payments and real-time event check-ins.
- Engineered the KegKong self-service beer platform with Sails.js and MySQL, fostering autonomous usage and comprehensive monitoring.
- Delivered the PixTour photo-sales platform with NestJS, React, and TypeORM, boosting tourist engagement at Iguassu Falls.
- Optimized system performance and reliability through effective use of Redis, Swagger, and Winston.

UNILA

Jul 2014 - Present

IT Analyst

- Automated IT workflows with Puppet and Ansible, reducing manual tasks by 40%.
- Developed Node.js integrations to cut processing time from hours to minutes.
- Maintained mission-critical infrastructure for thousands of users, ensuring high system availability.

Helpjuice

Jan 2016 - Apr 2016

System Administrator

- Optimized AWS EC2 cost management and reliability using Terraform.
- Automated SSL certificate management with Let's Encrypt.

Education

Universidade Tecnológica Federal do Paraná

2010 - 2011

Specialization, Software Engineering

UTFPR

2007 - 2010

Technologist, Software Programming

CESUFOZ

2007 - 2009

Technologist, Network Administration