# Lucas Karger

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## Skills

- **Languages:** Javascript, TypeScript, Go, Python, .NET, PHP
- **Backend:** NodeJS, NestJS, LangChain, Lambda, SQS, SNS, Flask, Express, Rest API
- **Frontend:** React, Angular, React Native, NextJs, GraphQL, Tailwind, Bootstrap
- **Databases:** Postgres, MongoDB, MySQL, OracleDB, Databricks, Firebase, Neptune
- **Cloud:** AWS, Azure, Oracle
- **Tests:** Unit tests, Stress tests, Integration tests, TDD
- **DevOps:** Docker, Kubernetes, GitHub Actions, AWS & Azure pipelines

## Summary

Software Engineer with 6+ years of experience building scalable, high-impact systems in fintech, retail, logistics, and AI. Proven ability to deliver measurable results, such as doubling transaction volume and increasing sales conversion by up to 50%. Adept in cloud-native architecture (AWS, Azure, GCP), LLM integrations, and microservices.

## Experiences

**Umbrage**                                                               Houston - Texas
*Senior Software Engineer*                                              Jul 2025 - Present

- **Maintained the marketing platform** developed with React, React Query, and Tailwind CSS.
- **Implemented a feature to "merge" user data with the ML model** to reach the best outcome marketing value for the company.
- **Maintained a marketing ML model for one of the biggest soda companies in the world** , integrating the model with Azure functions.

**Omichat**                                                                  Curitiba - BR
*Senior Software Engineer*                                            Feb 2024 - May 2025

- **Maintained APIs handling millions of daily requests,** integrating with Meta and WhatsApp using AWS Lambda, SQS, and SNS.
- **Increased sales conversion by up to 50%** by creating a new AI with a customer memory feature using Python, OpenAI integrations, Databricks, and AWS Neptune.
- **Increased WhatsApp message dispatch by 2x** by designing and implementing a new marketing campaign system using React and serverless TypeScript APIs.
- **Developed multi-agent systems** leveraging LLMs using the LangChain framework.

**Bindflow - Brado Logistica**                                               Curitiba - BR
*Senior Software Engineer*                                            Dec 2023 - Feb 2024

- **Achieved a 100% increase in CSAT** by replacing legacy Delphi and Angular with a new platform using NestJS and NextJS.
- **Increased backend efficiency by 50%** by integrating TypeORM with optimized SQL queries.

**Bindflow - Zro Bank Fintech**                                              Curitiba - BR
*Senior Software Engineer*                                            May 2023 - Dec 2023

- **Doubled the bank's transaction volume in the betting sector** by ensuring compliance and integrating fintech solutions with the Central Bank, using NestJS APIs with SOLID architecture.
- **Increased app reliability by 90%** by integrating e-Guardian fraud detection, and providing daily security alerts on suspicious accounts and transactions.

**EAATA**                                                                   Barcelona - ES
*Software Engineer*                                                   Mar 2021 - Dec 2022

- **Migrated WordPress to modern NodeJS API and ReactJS frontend** , applying SSO to enhance user experience across the company's platforms significantly.
- **Automated the deployment process** by migrating a legacy server to Azure, improving scalability and reducing deployment time.

## Education

**Estácio**                                                                     Bachelor
*Software Engineering Systems Analysis and Design*                    Jan 2025 - Feb 2027