

Pedro Duarte

Software Architect — Cloud Specialist — Staff Engineer

✉ pedrohsduarte@gmail.com ☎ +5534996902998 📍 Uberlândia, Brazil
🌐 linkedin.com/in/pedrohsduarte 🏠 github.com/pedrohsduarte 🌐 pedroduarte.tech

📁 Profile

Technology leader and hands-on, individual contributor seeking to leverage over a decade of software engineering and architectural expertise in a senior technology leadership role. Adept at bridging the gap between technical and business units, I bring a passion for continuous learning and a proven track record of leading high-performance teams to innovate and implement well-architected technology solutions.

🔑 Key Skills

Languages: English (Fluent), Portuguese (Native)

Programming Languages: Java, JavaScript, TypeScript, Python, SQL, Dart, C/C++

Cloud: AWS (IAM, VPC, EC2, S3, ECS, Lambda, Route53), Azure, GCP

Databases: PostgreSQL, DynamoDB, Firestore, SQLite

Architecture: Microservices, Serverless, Event-driven, Domain-driven design

Fundamentals: OOD, REST, TDD, Continuous Delivery, Systems Design

Data & Analytics: Azure Synapse Analytics, Apache Spark, Delta Lake

Technologies: Docker, Terraform, Spring, React, Next.js, Flutter, Micronaut, Flask, GraphQL, Keycloak, Jenkins, JUnit

🎓 Education

Bachelor's Degree in Computer Science (2009 - 2013) — Universidade Federal de Uberlândia

📖 Publications

“An Architecture for Monitoring and Improving Public Transportation Systems” — *IEEE (AINA)*, 2016 📄

🌟 Certifications

ITIL Foundations, 2013 📄

Certified Linux Administrator (LPIC-1), 2013 📄

Oracle Certified Professional, Java SE 6 Programmer, 2012 📄

🏢 Professional Experience

Software Architect – *Entrustody* 📄

Remote, US-based company – 2023 - Present

Spearhead development of fintech solutions, working closely with leadership on aligning tech with business goals.

Key Project: Business Intelligence Application for RIAs and Advisors

- Developed comprehensive ETL pipeline using Azure technologies
- Implemented Medallion architecture and Delta Lake for improved data handling
- Designed microservices architecture to enhance system flexibility

Technologies: Azure (Synapse Analytics, ADLS, Key Vault, Function App), Apache Spark, Delta Lake, PostgreSQL, Node.js, TypeScript, Docker, Next.js, Terraform

Co-founder & Software Architect – *Exacode* 📄

Remote, Brazil – 2018 - 2022

Led all aspects of IT consultancy, from solution design to project delivery for diverse client needs.

Key Projects:

- Designed serverless e-commerce platform processing \$20M+ annual transactions

- Architected health tracking mobile app, achieving 92% user retention rate, and rated 4.9/5 on Play Store and App Store
- Developed internal business application for a multinational client company, optimizing negotiations by 30

Technologies: AWS (Lambda, ECS, DynamoDB, Aurora Serverless), GCP, Firebase, Java, Node.js, React, Flutter, Terraform

Software Architect – *Yandeh* ☞

Uberlândia, Brazil – 2018 - 2020

Led development teams in building an ecosystem for the supply chain industry, focusing on solutions for manufacturers, suppliers, and retailers.

Key Projects:

- Implemented SSO solution using Keycloak, enhancing applications' security and reducing login issues
- Architected B2B platform for configuring complex sales campaigns
- Designed continuous delivery pipelines for core services

Technologies: AWS (Lambda, S3, EC2, ECS, IAM, DynamoDB), Terraform, Docker, Keycloak, Python, Java, Node.js, TypeScript

Senior Software Engineer – *Hub Fintech* ☞

Uberlândia, Brazil – 2017 - 2018

Developed core components for credit card processing platform and digital banking solutions.

Key Achievements: Developed ISO 8583 compliant transaction processing modules, handling hundreds of thousands of daily transactions

Technologies: Java, RabbitMQ, Angular, MySQL, JUnit

Senior Software Engineer – *Algar Telecom* ☞

Uberlândia, Brazil – 2012 - 2017

Progressed from junior to senior developer, contributing to diverse OSS/BSS telecom projects.

Key Achievements:

- Engineered an inter-system communication service, reducing data transfer errors
- Enhanced and customized modules for a complex billing system
- Led a bus location tracking project using Raspberry Pi

Technologies: Java, Spring, Angular, PostgreSQL, Oracle, Docker, REST, SOAP

Intern – *Kyros Tecnologia* ☞

Uberlândia, Brazil – 2011 - 2012

Worked on an outsourced team, developing new modules of a billing system.

Technologies: Oracle, SQL, Shell script