Guilherme M. Rodrigues

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Leeds, UK · Available for Remote Roles

Summary

Senior Software Engineer with nearly 5 years of experience in back-end and full-stack development, designing scalable and resilient B2B SaaS and CRM platforms. Specialized in Node.js, NestJS, TypeScript, PostgreSQL, and AWS infrastructure with Terraform. Strong focus on performance, automation, developer experience, and system reliability.

Proven track record in applying software engineering principles (DDD, CI/CD, testing, and SRE practices) to improve scalability and delivery efficiency in high-load environments.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL
Back-End: Node.js, NestJS, Express, REST, GraphQL, Microservices
Front-End: React, Next.js, Angular, Material UI
Databases: PostgreSQL, Redis, MongoDB
Infrastructure: AWS (EC2, S3, Lambda), Terraform, Docker, GitHub Actions
Testing: Jest, Vitest, Supertest, Integration & Unit Tests
Other: Monorepos, Design Systems, CI/CD, Agile, DDD, SRE practices

Professional Experience

Senior Software Engineer — Staff Infrastructure & Developer Experience Team

MZ Group (Jun-2025 – Present)

- Led infrastructure and developer experience initiatives across multiple squads, using AWS and Terraform to improve scalability, reliability, and provisioning speed.
- Designed and implemented full monorepo automation, integrating CI/CD workflows into GitHub Actions and automating package versioning, testing, and publishing — cutting delivery time per release by more than 80%.
- Partnered with engineering leadership to define internal DevEx standards that streamlined onboarding and deployment consistency company-wide.

Stack: Terraform, AWS, Node.js, TypeScript, GitHub Actions, CI/CD, DevOps, Monorepo Automation

Mid-Level Backend & Full-Stack Software Engineer

MZ Group (Jan-2023 – Jun-2025)

- Engineered APIs and background workers for the largest Investor Relations platform in Latin America, ensuring resilience and handling millions of daily data transactions.
- Designed and led the migration of legacy services to a modular Domain-Driven Design (DDD) architecture, improving maintainability, and reducing coupling between modules.
- Establish a unit and integration testing framework that increased overall code reliability and reduced production bugs by more than 30%.

- Diagnosed and resolved a critical memory leak that affects high-traffic endpoints, eliminating recurring downtime and improving system availability.

Stack: Node.js, TypeScript, Python, PostgreSQL, Redis, RabbitMQ, React, NestJS, AWS (Lambda, S3), Pandas

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Full-Stack Software Developer

DDR Technologies (Jan-2022 – Dec-2022)

- Developed and maintained CRM and BPM systems, custom portals, and internal apps.

- Implemented full-stack features from architecture to deployment on cloud platforms (AWS, DigitalOcean).

- Troubleshooting production issues and optimized database and API performance.

Stack: JavaScript, TypeScript, Node.js, Angular, React, PostgreSQL, MongoDB, Docker, AWS EC2, DigitalOcean

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Full-Stack Developer — Product Launches & E-Commerce

Science Life (Jan-2021 – Jan-2022)

- Built and maintained landing pages, product launch platforms, and e-commerce sites.

- Designed APIs and user interfaces that align with business goals.

- Collaborated on architectural decisions, design patterns, and library selections.

Stack: JavaScript, TypeScript, React, Node.js, Express, PostgreSQL, UI/UX, Agile Development

Education

Descomplica Digital College *Apr-2025 – Jan-2026*
Postgraduate Lato Sensu – Specialization in Software Engineering
Field of Study: Software Engineering / Systems Architecture
Advanced specialization focused on modern software engineering practices, including scalable architecture design, object-oriented programming, automated testing, CI/CD, and agile methodologies. Hands-on projects emphasize security, performance, and system reliability, preparing professionals to lead and design complex software systems.

Descomplica Digital College *Jul-2022 – Dec-2024*
Undergraduate Technology Degree (CST) in Computer Systems Analysis
Field of Study: Systems Analysis / Software Development
The degree in technology centered on software system development and analysis, covering software engineering, relational and NoSQL databases, AI algorithms, and the creation of web/mobile apps. Project-based learning focused on programming, architecture, data modeling, and system integration—preparing professionals for the full lifecycle of software development.

Languages

Portuguese (Native) · English