Gonzalo Trivelli

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SOFTWARE ENGINEER – BACKEND | CLOUD | DEVOPS

Backend engineer with 4.5+ years of experience building reliable cloud-native systems and APIs. Skilled in designing scalable services and contributing to secure, AI-driven features across engineering teams. Brings a pragmatic, collaborative approach to solving complex technical challenges.

Experience

Acting Tech Lead / Product Software Engineer | Wolters Kluwer   **Jan 2023 - Present**

- Directed engineering efforts, release planning, and stakeholder communication across multiple teams
- Led AI Security subgroup, defining secure coding standards in development using AI for 20+ engineering teams
- Built and maintained CI/CD pipelines with automated security scans (SonarQube, Coverity), fixing hundreds of critical issues across applications
- Migrated team-owned applications to AWS with near-zero downtime, improving scalability and reducing infrastructure costs
- Developed JWT authenticated REST APIs to onboard 100k+ users into new SaaS platform
- Mentored 3 junior engineers, improving velocity and output quality
- Participated in quarterly planning, disaster recovery assessments, and companywide tech standards discussions

Software Engineer | NurseTim (Acquired by Wolters Kluwer)   **Nov 2021 – Jan 2023**

- Developed a batch process on AWS (RDS, Lambda, DynamoDB, S3, IAM) to sync data nightly for the company's largest client
- Automated Shopify-QuickBooks integrations, eliminating manual processes
- Rebuilt storefront with Shopify, improving UX and increasing conversion rates
- Migrated legacy PHP system to Laravel (MVC), reducing code complexity and technical debt

Junior Developer | Misbar   **Apr 2021 – Oct 2021**

- Reduced page load time by 25% via optimized caching strategies
- Built modular backend components (profanity filter, Livewire modal manager, structured APIs)
- Contributed backend services to support large-scale front-end redesign

Projects

AutoDiff – AI-Powered Code Review Extension for VS Code

Built a VS Code extension that uses AI to analyze git diffs for security, accessibility, and performance issues in real time. Extended a Python CLI into a full-featured IDE integration.

- Integrated Google Gemini and GPT-4 APIs with fallback logic, rate limit handling, and unified response formatting for consistent AI review output.
- Implemented advanced git diff parsing for staged, unstaged, and untracked files. Built custom file decoration system in VS Code with live status indicators and click-to-line navigation.
- Designed a JSON-based DTO pipeline enabling structured TypeScript–Python communication, with severity, confidence, and location metadata for issue tracking.

Education

B.S. in Computer Science, *George Mason University* - Dec 2019

AWS Cloud Technical Essentials, *Coursera* - March 2023

Skills

- **Languages & Frameworks:** PHP (Laravel), JavaScript/TypeScript (Node.js, Vue), Python
- **Cloud & DevOps:** AWS (Lambda, RDS, S3, IAM), Docker, Bamboo, Jenkins, SonarQube, Coverity
- **Databases:** MySQL, DynamoDB, Redis, GraphQL, Supabase
- **Other:** Git, Linux, Unit Testing, Jira, Confluence