

Gonzalo Trivelli

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SOFTWARE ENGINEER – BACKEND | SECURITY

Software Engineer with 4+ years of experience building secure backend systems, managing CI/CD pipelines, and leading cross-team projects in cloud environments.

Experience

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

- As tech lead, coordinating across teams, managing stakeholder needs, handling releases and steering team direction
- Leading AI Security subgroup, developing secure coding practices for AI use in development across the company
- Built and maintained CI/CD pipelines (Bamboo, Docker) and automated security scans (Black Duck, Coverity, SonarQube), fixing hundreds of critical issues across applications
- Developed a Node.js batch job using AWS (RDS, Lambda, DynamoDB, S3, IAM) to sync client data nightly
- Migrated key services from DigitalOcean to AWS with near-zero downtime
- Built APIs (user, quiz, session) with JWT auth to integrate 100k+ users into new systems
- Mentored junior devs to improve code quality and reduce senior dev workload
- Participated in quarterly planning, feature scoping, and disaster recovery assessments

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

- Automated order syncing between Shopify and QuickBooks, removing manual processes
- Rebuilt and customized Shopify store to improve checkout experience
- Migrated legacy PHP codebase to Laravel using MVC patterns, reducing tech debt
- Created Docker-based CI/CD pipeline with GitHub Actions to speed up deployments

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

- Reduced page load time by 25% by improving article caching logic
- Developed reusable components (profanity filter, Livewire modals, structured APIs)
- Contributed backend services to support a major front-end redesign

Select Projects

Generative AI Text Game

Built a text adventure game powered by Google's Gemini model, generating dynamic storylines in response to user input

CLI Search Tool

Wrote a command-line file search utility in Rust for fast local search on Linux

Dish Manager

Built a Python app to organize recipes with tagging and sorting features, allowing easy filtering and retrieval based on ingredients, cuisine, or meal type

Education & Certifications

George Mason University – B.S. in Computer Science

Aug 2015 - Dec 2019

Coursera – AWS Cloud Technical Essentials

March 2023

Skills & Abilities

- **Languages:** PHP, JavaScript (Node.js, TypeScript), Python, Java, SQL, Bash, Rust
- **Frameworks/Tools:** Laravel, Vue, Angular, Django, Docker, LocalStack
- **Cloud/DevOps:** AWS, DigitalOcean, NGINX, Redis, Jenkins, Bamboo
- **Databases:** MySQL, NoSQL, GraphQL, Supabase
- **Other:** Git, OAuth, Webhooks, Unit Testing (Chai/Mocha), Linux, Jira, Confluence, AI development