JONATHAN ALEJANDRO DÍAZ TAHUITE

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SUMMARY

Computer Science and Engineering student focused on automation, CI/CD, and web development. Practical experience with Linux, Bash, Python, and version control, as well as development with (Node, Bun)/Express, Flutter, and Rust. Interested in DevOps/DevSecOps internships to improve software lifecycle reliability, security, and efficiency. Proactive, self-taught, and results-oriented.

TECHNICAL SKILLS

- Languages: Python, Bash, JavaScript, Java, C++, rust, go, TypeScript
- DevOps & CI/CD: Git, GitHub Actions, Docker, Nginx, Linux
- Web: Node.js (Express), REST APIs, HTML, CSS, Flutter, React/ReactNative
- Testing/Automation: Bash/Python scripting, pytest (basic), pipelines CI
- Databases: PostgreSQL, MySQL, Firebase, Neo4J
- Cloud/Containers (Basic): AWS EC2, Azure, Oracle, Docker Compose
- SO: Linux (Debian/Ubuntu), Windows

RELEVANT EXPERIENCE

Teaching Assistant (Algorithms, Basic Programming, and Data Structures) — Universidad del Valle de Guatemala (2025 – Present)
- Validate program functionality and evaluate logic based on project criteria.
- Automate testing and deployment tasks using Bash and Python, reducing manual time and errors.
- Promote best practices in Linux and version control (Git) within academic environments.

Academic Tutor — Basic Programming, OOP, Data Structures, Quantitative Thinking, Calculus, Statistics
- Provide technical guidance to students, design exercises, and explain complex concepts with a practical approach.

PROJECTS

Driving Test App
- Technologies: Flutter, Express.js, REST
- Contribution: Implemented authentication, simulations, and progress tracking; designed the API and CI/CD flow.

Recipe Management System
- Technologies: Node.js, FastAPI, React, PostgreSQL
- Contribution: Designed the relational database; implemented a REST API with CRUD operations and error handling; established server-database connection, data validation, and UI development

ToDo App Multiplatform System
- Technologies: Node.js (TypeScript), Express.js, React, React Native, Prisma ORM, MySQL, Zustand, Tailwind CSS, Docker.
- Contribution: Developed a full-stack multiplatform system using TypeScript. Implemented global state management with Zustand and responsive styling with Tailwind CSS. Designed the database schema using Prisma ORM and MySQL, and containerized the entire environment with Docker Compose for seamless deployment.

ADDITIONAL INFORMATION

- **Technical Skills**: Intermediate knowledge of Linux environments, experience with object-oriented languages, and proficiency with terminal applications.
- **Languages**: Spanish (Native), English (Intermediate).
- **Soft Skills:** Proactive, responsible, self-taught, friendly, empathetic, and capable of effective teamwork.