Osmany Argueta

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SUMMARY

IT professional and Android Developer with experience designing, developing, and testing mobile applications. Skilled in Kotlin, Java, and modern Android frameworks such as Jetpack Compose, with hands-on practice building production-ready apps through academic and professional projects. Strong background in API integration, back-end services, and performance optimization with additional experience applying AI tools (LLMs, natural language interfaces, and automation) to enhance user experiences and system efficiency. Bilingual (English/Spanish) passionate about delivering high-quality mobile experiences.

WORK EXPERIENCE

Florida Blue, Jacksonville, FL – Application Developer Intern   May 2025 – Aug 2025
- **AI-driven data access enabled**: Developed Natural Language Interfaces to Databases (NLIDBs) to support natural language querying of databases.
- **API testing transition**: Debugged and tested REST APIs during back-end migration from TypeScript to Golang, using Postman and Jest to validate functionality and performance, achieving a 100% 1:1 match across endpoints.
- **Optimized back-end infrastructure:** Performed load testing with AutoCannon to benchmark NGINX vs. Envoy reverse-proxies, informing routing, scalability, and performance strategies.
- **Implemented MCP integration for AI models:** Engineered and deployed a robust Model Context Protocol (MCP) server to integrate on-premises AI models with internal systems, and developed an MCP host that connected directly to AI model APIs, streamlining automation, accelerating knowledge access, and enhancing operational efficiency.
- **Streamlined documentation workflows:** Automated the generation of API documentation improving on-boarding across multiple repositories.

Day & Nite All Service, New Hyde Park, NY – Software Development & IT Intern   Feb 2024 – June 2024
- **Developed cloud-based applications and automation**: Utilized JavaScript for Azure App Registrations to enhance app communication and authentication, and designed Power Automate flows for process optimization.
- **Engineered Software for Work Order Logging**: Collaborated with teammates to develop software leveraging a headless CMS (Strapi), with custom REST API endpoints, SQL databases, and AWS cloud deployment to improving data accessibility and reducing reliance on manual logging processes.
- **Managed Device Asset Inventory**: Used Asset Tiger for asset management and AirWatch to maintain work phone connections.
- **Created Notion Documentation**: Developed detailed Notion docs for processes, development, and tutorials used company-wide.

EDUCATION

B.S. Degree in Computer Science, Farmingdale State College, Farmingdale, NY - 3.46/4.0 GPA   Sept. 2021 – May 2025

Relevant Courses: Mobile Applications Dev, Advanced Programming, Data Structures & Algorithms II, Computer Architecture.

PROJECTS

Z-App – Automobile Diagnostic App | Project Manager & Developer   Aug 2025
- Created an open-source diagnostic app for Nissan Z-series enthusiasts using React Native, integrating real-time logging, ECU connectivity, and community features.
- Coordinated development tasks and version control through GitHub, leading project planning and feature implementation.
- Designed intuitive diagnostic screens and real-time alerts, enhancing usability for enthusiasts monitoring vehicle performance.

Blab – Android Language Learning App | Project Manager & Developer   May 2025
- Designed and developed a mobile app with Kotlin + Jetpack Compose for Android, implementing back-end features such as authentication, messaging, quizzes, user streaks, video reels, and daily phrases through Firebase services.
- Created modules like mini games, learning paths, and user interaction tools to make the app more engaging and community focused.
- Kept sprints organized and documented while guiding the team through a full capstone project (May 2025) and making sure everything came together on time.
- Oversaw task assignments, milestone tracking, and sprint reviews, aligning team efforts with project goals while maintaining consistent progress.

LightWeight – Nutrition & Fitness Mobile App | Project Manager & Developer   Sept 2024
- Developed a health-focused mobile app providing workout guides, nutrition plans, and progress tracking.
- Focused on smooth UI/UX implementation and Firebase integration for authentication and data storage with RESTful API integrations for workout exercises.
- Led project planning and feature prioritization to meet deadlines while maintaining app quality.

SUMMARY OF QUALIFICATIONS

- **Technical Skills:** Experienced with Windows, macOS, Linux, remote support tools, networking, and cloud platforms like Firebase, AWS, and Azure. Familiar with Docker, Kubernetes, Prometheus, Swagger, OpenAPI, and using MCP to build and run tools.
- **Development Tools:** Proficient in Python, JavaScript, TypeScript, Go, Kotlin, and frameworks like Node.JS, React, Strapi, Jest, and Langchain. Comfortable scripting tasks and integrating LLMs like Llama 3 for automation and knowledge systems.
- **Soft Skills:** Bilingual in English and Spanish. Strong communicator with a focus on problem-solving, teamwork, and customer support.