LUIS DANIEL MIRANDA MACHACA

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with 2+ years of hands-on experience architecting, developing, and deploying scalable web, mobile, and enterprise-grade applications within microservices ecosystems. Deeply proficient in the JavaScript/TypeScript and Python stacks, with strong expertise in relational/NoSQL database design and Docker containerization. Proven track record of automating mission-critical workflows, orchestrating third-party API integrations, and delivering high-availability digital solutions across the insurance, government, and non-profit sectors. Advanced English proficiency equipped to thrive in fast-paced, distributed international engineering teams.

PROFESSIONAL EXPERIENCE

TuBroker Sudamericana **La Paz, Bolivia**
Systems Development Analyst (Software Engineer) *Jun 2026 – Present*

- Engineer and maintain core enterprise software solutions, driving the architectural transition toward robust, highly scalable microservices.
- Build and ship mission-critical business features using Next.js on the frontend and FastAPI on the backend, significantly optimizing system latency, throughput, and cross-service interoperability.
- Spearhead service containerization using Docker to standardize development, staging, and production environments, streamlining CI/CD pipelines and ensuring consistent, zero-downtime deployments.

Crea Bolivia (NGO) **La Paz, Bolivia**
Full-Stack Web Developer *Oct 2025 – Present*

- Led the end-to-end architecture, development, and production rollout of the organization's core web platform, owning the full software development lifecycle (SDLC) from UI/UX design to deployment.
- Provisioned, hardened, and administered Linux server infrastructure, managing DNS routing, firewall security policies, and SSL/HTTPS certificates to guarantee high availability and strict data protection.
- Executed ongoing performance tuning, codebase modernization, and SEO/content architecture enhancements, substantially expanding the organization’s digital footprint and user engagement.

Municipal Government of La Paz (GAMLP) **La Paz, Bolivia**
Mobile Application Developer *Jul 2025 – Dec 2025*

- Engineered core modules for the “Permisos de Viaje” mobile application (Android/iOS), integrating biometric authentication and real-time status tracking for minor travel authorization requests.
- Contributed to the evolution of “iGOB+”, the city’s flagship e-government platform, by orchestrating and integrating multiple RESTful APIs to digitize high-volume municipal procedures and citizen services.
- Designed and implemented intuitive, accessibility-first user flows utilizing native Kotlin (Android) and cross-platform Dart/Flutter, improving adoption rates and citizen experience.

Association of Biochemistry and Pharmacy of La Paz **La Paz, Bolivia**
Web Developer *Jul 2023 – Feb 2024*

- Architected and built a custom financial and administrative management web platform from the ground up, successfully digitizing 100% of previously manual operational workflows for affiliated members.
- Automated payment reconciliation pipelines and dynamic fee/debt calculation engines, drastically reducing administrative overhead, human error, and transaction processing times.
- Delivered executive analytics reporting module and an automated delinquency alert system, empowering the board of directors with data-driven insights and accelerating revenue collection.

EDUCATION

Universidad Privada del Valle (UNIVALLE) **La Paz, Bolivia**
B.S. in Computer Systems Engineering *2022 – 2025*

Centro Boliviano Americano (CBA) **La Paz, Bolivia**
Certificate of Proficiency in English *2022 – 2024*

Instituto Americano “Amerinst” **La Paz, Bolivia**
High School Diploma & Associate Technical Certificate in Computer Systems *2018 – 2021*

TECHNICAL SKILLS & LANGUAGES

Programming Languages: TypeScript, JavaScript (ES6+), Python, C#, Dart, Kotlin, SQL.

Frameworks & Libraries: Next.js, React.js, FastAPI, NestJS, Express.js, .NET, Vue.js, Flutter.

Databases: PostgreSQL, MySQL, MongoDB.

DevOps, Cloud & Infrastructure: Docker, Kubernetes, Linux (Server Administration), Git, Apache Kafka, SSL/HTTPS.

Core Competencies: Microservices Architecture, Full-Stack Development, Cross-Platform Mobile Development (Android/iOS), Process Automation, RESTful API Integration.

Languages: Spanish (Native), English (Advanced C1).