

Alexmatthew Candelario

Senior Software Engineer

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Experienced Senior Software Engineer with 10 years of expertise in full-stack development and system performance optimization. Proven ability to lead teams in building scalable, high-performance software solutions while driving continuous improvements across the stack. Skilled in agile methodologies, modern architectures, and cutting-edge technologies to deliver innovative and reliable products. Recognized for collaborative leadership, technical depth, and consistently exceeding project objectives. Eager to contribute engineering expertise to impactful projects that demand robust performance and scalability.

Areas of Expertise: Software Development | Full-stack Development | Systems Programming | Testing & Debugging | Team Building & Leadership | Cross-functional Collaboration

Technical Proficiencies

Languages: C++ | C | Golang | Typescript | JavaScript | Zig | Rust | Python | SQL | HTML | CSS

Frameworks: React | React Native | Spring | FastAPI | Nest JS

Tools: Git | Docker | Jenkins | Github | Gitlab | Snowflake | Databricks | GCP | AWS | AZURE | Postgres | Redis

Career Experience

Percipio Health, Remote 2024 – Present Senior Software Engineer

Contributed to Percipio Health's mobile-first, AI-powered care coordination platform, built to deliver scalable, secure, device-free population health monitoring via smartphone apps that support value-based care.

- **Led the Performance Team:** Built a comprehensive performance testing suite, enabling targeted optimizations across the tech stack. Improved the speed of the slowest APIs and authored extensive performance documentation and guidelines adopted company-wide, covering both frontend (React Native) and backend systems.
- **Mobile App Optimization:** Refactored and optimized the React Native application, improving load times by 10x. Significantly enhanced media upload/download speeds and message system performance, as well as video call reliability and efficiency.
- **Secure Backend Development:** Worked extensively on backend systems designed with stringent security requirements for handling sensitive healthcare data, including PII and PHI.
- **Patient Content Systems:** Co-designed a dynamic patient content platform empowering content teams to craft personalized patient experiences. Developed a lightweight domain-specific language (DSL) and a Markdown variant to enable programmable content flows tailored to clinical needs.

Immuta, Remote 2022 – 2024 Senior Software Engineer

Focused on scaling and modularizing Immuta's data governance platform, driving architectural improvements and system performance

- Converted a large monorepo into microservices, introducing shared libraries to reduce redundancy and tech debt.
- Improved data ingestion speeds by 4x through performance analysis, algorithm improvements, and SQL query optimizations on datasets spanning several terabytes.
- Designed an asynchronous monitoring and notification system to detect and alert on data access risks and security vulnerabilities.
- Led multiple cross-functional initiatives from technical design through production release, ensuring alignment across teams and organizations.

Olive AI, Remote 2020 – 2022 Software Engineer II

Constructed and pioneered secure app store backend incorporating REST style API for data accessibility, Postgres DB for data conservation enhanced by technologies, including Redis, Kubernetes, Docker and AWS. Developed tailor made sandboxed version by utilizing Go and C, of JavaScript and library for crafting secure application addons for primary desktop software.

- Built a secure App Store backend with RESTful APIs, leveraging Postgres, Redis, Kubernetes, Docker, and AWS.
- Designed a custom sandboxed JavaScript runtime (implemented in Go and C) to safely execute third-party addons within the core desktop application.
- Enhanced the scripting system to help medical navigators handle more patient calls efficiently.
- Authored a performant local search engine optimized for resource-constrained environments, enabling faster data ingestion and search.
- Delivered secure and compliant developer APIs for transmitting medical data, employing Terraform, AWS API Gateway, SNS, and Redshift.

MosierData, Lakeland, FL 2015 – 2020 Software Engineer/Project Manger

Worked on various engineering and client-facing projects, balancing technical leadership with project management.

- Developed an EDI system for real-time inventory tracking across multiple sites and data stores.
- Authored technical proposals, milestone plans, and ensured parallel workflows to expedite project delivery.
- Created a custom 3D shed builder tool that delivered precise measurements and faster quote generation for customers.
- Led a small multidisciplinary team (2 designers, 2 engineers), improving workload efficiency and on-time delivery.
- Boosted operational accuracy and customer satisfaction, leading to reduced product losses and increased revenue.