Sachin Thomas

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Professional Summary

Full-stack engineer with 8+ years of experience building scalable web and mobile applications in fast-paced, agile environments. Proficient in TypeScript and JavaScript, with deep experience using frameworks such as Angular, React, and Node.js. Skilled in Python, UX design, and system architecture, with a strong track record in adaptability and team leadership. Brings a sharp attention to detail that ensures high code quality, intuitive user experiences, and reliable, production-ready software delivery.

Professional Experience

Software Engineer
Latcha & Associates Inc.   **[2020 - Present]**

`MIQ Real-time Communication` - **Amplified engagement and responsiveness** for over VW customers nationwide by integrating live Car-Net telemetry into the MIQ marketing platform. Enabled real-time, personalized customer messaging and developed an interactive dashboard to visualize live feed metrics, allowing administrators to monitor system status and customer activity using advanced filtering and segmentation.

`Marketing IQ Platform` - **Reduced campaign processing time** by optimizing delivery with bulk writes, efficient SQL connection pooling, and consolidating all deliverables into compressed files. Upgraded Node.js backend, Angular frontend, and replaced legacy Jenkins with LTS versions; all with zero downtime while supporting thousands of dealerships and over 4 million customers.

`Marketing IQ UI Enhancements` - **Enhanced productivity** by simplifying workflows with UX/UI optimization and API redesign, refactored the Angular/Node.js codebase, made UI enhancements based on user feedback, and guided the team through large-scale changes while maintaining daily delivery schedules.

Software Engineer
CrowdANALYTIX   **[2015 - 2020]**

`Belongings Check - Care Center Management Platform` - **Significantly reduced caretaker check-in/check-out times** and revamped workflows by architecting a robust, cross-platform Flutter app (iOS/Android) for real-time video processing—replacing the initial Angular PWA/WebRTC prototype.

`dataX Platform - Enterprise Data Intelligence Suite` - **Accelerated Fortune 500 clients ML initiatives** by integrating an AngularJS-powered UI playground for bulk image processing and real-time model classification visualization, transforming unstructured data into AI-ready datasets at scale, with sub-second response times and introduced seemless UX enhancements.

`dataX Sync (GS1 Certification Validator)` - **Ensured seamless, compliant certification workflows** by orchestrating a robust Angular UI with strict client and server-side validations. Implemented complex GS1 specifications, integrated Stripe payments to unlock a new revenue stream, and processed thousands of product certifications with optimal performance.

`Catalog Repository` - **Enabled data science teams to query and analyze over 10 million products** with sub-second response times by architecting a distributed Node.js/Express.js backend, integrating Redis-based queuing and MongoDB, and delivering an Angular interface with zero downtime and seamless concurrent processing.

`GitLab Infrastructure Migration` - **Improved developer productivity and reliability** by leading the migration of version control to cloud-hosted GitLab CE configuring and deploying the platform, standardizing modern Git workflows, and implementing robust backup and security update protocols.

Systems Administrator
S&J Aviations   **[2014 - 2015]**

`Network Administration & Web Design` - **Strengthened network security and workplace productivity** by deploying remote network monitoring and DNS-level content filtering, and established the company's online presence through designing and launching its website, while maintaining reliable IT infrastructure and systems administration.

Creative & Technical Contributions

Web Designer/Photographer
Karunya University - EWYL Program [2011 - 2013]

`Earn While Your Learn Scheme` - **Elevated the university's online and visual identity** by designing and launching the Admissions website with HTML/CSS, producing brochures and digital assets in Photoshop/Illustrator, and co-ordinating student photography sessions for web content.

Volunteer Event Photographer
Native Community [2024 - Present]

`Event Photography` - Capture moments at cultural and community events, delivering high-quality photographs that support event promotion and preserve community heritage.

Technical Skills

- **Programming Languages & Paradigms** - TypeScript/JavaScript, Python, Dart, Go (currently learning), OOP, SOLID, Functional & Modular Programming
- **Software Architecture & Patterns** - MVC, MVVM, Design Patterns, RESTful Design, Monolith to Microservices
- **Backend & Runtime** - Node.js, Deno, Django, FastAPI
- **Service Layer Tools** - RestfulAPI, WebSockets, JSON, HTTP/HTTPs, OAUTH/OAUTH2.0, Json Web Tokens (JWT)
- **Databases & Tools** - MSSQL, PostgresSQL, MySQL, MongoDB, Redis (as Cache DB), TypeORM, Sequelize, SQLAlchemy, Alembic
- **Frameworks & Libraries** - Angular, React, Flutter, Express.js, Nest.js, Next.js, Material UI (Angular & React), Jest (testing)
- **Design** - Figma, Adobe Suite, Balsamiq
- **Devops & Tools** - Chrome DevTools, Firefox Debugger, npm, yarn, pipenv, poetry, Docker, Jenkins, Git, tmux/screen, Postman, Datadog, Bash Scripting, and other of handful of CLI tools
- **Code Editors & IDEs** - VSCode, Intellij Pycharm, WebStorm & Datagrip
- **Cloud Infrastructure** - AWS, Google Cloud, Azure
- **AI & ML APIs** - OpenAI, Antrhopic Claude, Google Gemini
- **Operating Systems** - macOS, Linux (Ubuntu), Windows, Raspberry Pi OS

Education

Bachelor of Technology - Information Technology
Karunya University, India [2008 - 2014]