

# Sachin George Thomas

✉ sachq1@gmail.com

☎ (248) 918-8263

in [linkedin.com/in/sachq](https://www.linkedin.com/in/sachq)

🔗 [github.com/sachq](https://github.com/sachq)

🏠 Troy, MI

## Professional Summary

---

Senior Full-Stack Engineer and Technical Lead with 9+ years of experience architecting scalable web applications, leveraging deep JavaScript (ES6+) expertise to deliver framework-agnostic frontend solutions. Led cross-functional teams to build enterprise-grade platforms, excelling in modern frontend frameworks such as Angular, React. Specializes in crafting intuitive UI/UX designs and robust microservices architectures with RESTful APIs and CI/CD pipelines. Adept at mentoring teams, driving technical innovation, and adapting to diverse frontend ecosystems in Agile environments for automotive and enterprise sectors.

## Professional Experience

---

### Sr. Full-Stack Engineer

Latcha & Associates Inc. - Farmington Hills, MI, USA

[Dec, 2020 - Present]

#### Projects

- **MIQ Real-Time Communication:** Led development of the MIQ Real-Time Communication feature for Volkswagen integrating live Car-Net telemetry data using Node.js and Angular, delivering a real-time dashboard that increased engagement by 35% for 1.2M+ users. Deployed and managed the system on an on-premise Linux server per client requirements.
- **Marketing IQ Platform:** Optimized the MIQ backend architecture for Volkswagen by implementing bulk writes, SQL connection pooling, and Gzip-compressed asset delivery, cutting campaign processing time by 50% and supporting 4M+ unique users.
- **Platform Migration:** Refactored legacy Angular/Node.js codebase and REST APIs, driving UI/UX enhancements that improved task completion by 20%.

#### Key Responsibilities

- Designed and architected scalable full-stack features using Angular/React, Node.js, and SQL databases.
- Coordinated with Product Owners, Designers, and Marketing stakeholders to gather requirements and deliver feature-aligned UI/UX.
- Owned full SDLC: development, testing, deployment, and monitoring of cloud/on-premise applications.
- Developed and maintained CI/CD pipelines using GitHub Actions, Jenkins, and Docker.
- Ensured code quality and maintainability via pull request reviews, unit testing with Jest, and component-level design reviews.
- Managed production support, debugging critical issues in real-time and deploying hotfixes with minimal downtime.

### Software Engineer

CrowdANALYTIX - Bangalore, India

[Oct, 2015 - Dec, 2020]

#### Projects

- **Belongings Check (Care Center Management Platform):** Streamlined check-in processes using Angular, React, and Flutter (iOS/Android), reducing customer wait times by 40%. Replaced Angular PWA/WebRTC prototype with a Flutter-based mobile app for real-time video processing.
- **dataX Platform (Enterprise Data Intelligence Suite):** Designed a responsive Angular UI for managing machine learning workflows, supporting bulk image processing and real-time analytics. Implemented RESTful APIs with Node.js and MongoDB, improving data retrieval efficiency by 30% for enterprise clients.
- **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.

Key Responsibilities

- Built Angular, React, and Flutter apps for real-time analytics and enterprise platforms
- Developed REST APIs with Node.js, Express, and MongoDB for scalable data access
- Migrated SVN to GitLab and set up centralized GitOps on Google Cloud Platform
- Mentored 3 frontend engineers in Angular, React, and modular UI best practices
- Optimized backend with Redis, Node.js, and MongoDB for sub-second queries
- Wrote unit tests and conducted code reviews to maintain code quality
- Collaborated with product and design teams to align features with business needs

Systems Administrator - (Remote)

S&J Aviations

[August, 2014 - August, 2015]

Projects

- **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.

Key Responsibilities

- Deployed DNS filtering and monitoring tools to secure internal networks
- Maintained IT systems and resolved daily infrastructure issues
- Built and launched the company’s first website using HTML, CSS, and jQuery
- Provided tech support and improved team productivity via IT automation

Creative & Technical Contributions

Web Designer/Photographer

Karunya University (EWYL Program) - Coimbatore, India

[October, 2011 - May, 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 - Troy, Michigan

[August, 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:** JavaScript (ES6+), TypeScript, Python, Dart, Go (learning)
- **Frameworks & Libraries:** Angular, React, Node.js, Express.js, Next.js, Flutter, FastAPI, Flask, TypeORM, Sequelize
- **Databases:** PostgreSQL, MSSQL, MySQL, MongoDB, Redis
- **Cloud Platform:** AWS, Google Cloud, Azure
- **Devops & Tools:** Docker, Jenkins, Git, GitHub Actions, GitLab CI/CD, NGINX, Webpack, Postman, Datadog, Linux
- **Design Tools:** Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator, Balsamiq Mockups
- **Testing Frameworks:** Jest, Mocha, Cypress
- **Architecture & Patterns:** RESTful APIs, GraphQL, Microservices, MVC, MVVM, SOLID Principles

Education

Bachelor of Technology - Information Technology

Karunya University, India

[2008 - 2014]