

# Sachin Thomas

✉ sachq1@gmail.com

☎ (248) 918-8263

in linkedin.com/in/sachq

🐙 github.com/sachq

🏠 Troy, MI

## Professional Summary

---

Software Engineer with 10+ years of progressive experience, evolving from Web Designer to Full-Stack Developer. Known for quickly mastering new technologies and frameworks to deliver innovative solutions. Brings a unique blend of design thinking and technical expertise to enterprise applications across multiple industries.

### Key Achievements:

- Rapid adoption of new frameworks and technologies as needed
- Full-stack expertise spanning Angular, Flutter, and Node.js
- 6+ years specialized in complex data-intensive applications
- Strong foundation in UI/UX design combined with robust full-stack development capabilities
- Provided technical leadership and mentorship to team members while managing day-to-day challenges
- Consistent track record of successful client project delivery across multiple industries

## Professional Experience

---

### Software Engineer

Latcha & Associates Inc.

[2020 - Present]

#### – Car-Net Real-time Communication

Architected and led development of enterprise marketing automation system processing real-time vehicle telemetry data.

**Technical Achievement:** Successfully integrated VW Car-Net vehicle telemetry system with marketing platform to deliver real-time customer communications.

**Scale:** Platform serves 4 million+ customers across multiple US regions (Eastern, Central, South East, Pacific).

**Technical Stack:** Node.js, Angular, Jenkins, RESTful APIs.

**Leadership:** Led cross-functional teams in daily deployments and rapid issue resolution.

#### – Marketing IQ - Volkswagen US

Led comprehensive platform upgrade initiative for Volkswagen's dealer marketing system

**Technical Achievement:** Successfully executed parallel migrations of Node.js backend to LTS version and Angular frontend upgrade.

**Key Impact:** Maintained zero downtime during migrations while serving thousands of dealers across regions

**Innovation:** Developed custom lightweight modules to replace heavyweight dependencies, optimizing platform performance

**Scale:** Manages marketing campaigns for 4M+ customers while maintaining system responsiveness

## – Marketing IQ Enhancements

Spearheaded UX/UI optimization initiative for multi-tier marketing platform

**Technical Achievement:** Redesigned and optimized APIs for improved performance and user experience

**Business Impact:** Streamlined workflow for dealers, regional managers, and program administrators

**Technical Stack:** Angular, Node.js, RESTful APIs

**Leadership:** Guided team through large-scale codebase refactoring while maintaining daily delivery schedules

**Innovation:** Implemented data-driven UI improvements based on user feedback and system analytics

## – Continuous Delivery Pipeline

Established robust CI/CD infrastructure for daily deployments

**Technical Achievement:** Implemented automated deployment pipelines using Jenkins

**Key Impact:** Enabled reliable daily releases while maintaining system stability

**Scale:** Successfully manages deployments across multiple regions and user tiers

**Leadership:** Coordinated with cross-functional teams to establish efficient issue resolution protocols

---

Software Engineer  
CrowdANALYTIX

[2015 - 2020]

## – Belongings Check - Care Center Management Platform

Architected and developed a cross-platform solution using Flutter (iOS/Android) after initially exploring a PWA approach with Angular and WebRTC.

**Technical Achievement:** Architected and developed a cross-platform solution using Flutter (iOS) and Angular (PWA) that processed real-time video streams for automated belonging identification

**Key Impact:** Reduced check-in/check-out time by implementing AI-powered speech recognition and computer vision, streamlining caretaker workflows

**Technical Stack:** Flutter, Angular (initial PWA prototype), WebRTC

**Leadership:** Spearheaded design and development across mobile and web platforms while mentoring team members

## – dataX Platform - Enterprise Data Intelligence Suite

Architected a comprehensive data structuring and AI prediction platform used by Fortune 500 clients

**Technical Achievement:** Built a scalable platform handling bulk image processing and AI model integration

**Business Impact:** Enabled clients to transform unstructured data into AI-ready datasets, accelerating their ML initiatives

**Scale:** Processed millions of data points while maintaining sub-second response times

**Technical Stack:** AngularJS, Webpack, RESTful APIs

**Innovation:** Developed a novel demo module that became a key sales tool, showcasing real-time AI predictions

#### – dataX Sync - GS1 Certification Platform

Led development of a mission-critical product certification platform for major brands

**Technical Achievement:** Implemented complex GS1 specifications while maintaining a user-friendly interface

**Business Impact:** Generated new revenue stream through Stripe payment integration

**Scale:** Successfully processed certifications for thousands of products

**Compliance:** Ensured platform met all GS1 certification requirements while maintaining optimal performance

#### – Catalog Repository - Enterprise Data Management System

Architected and implemented a high-scale product catalog system serving data science teams

**Technical Achievement:** Built a distributed system handling 10M+ products with sub-second query response

**Technical Stack:** Node.js, Express.js, Redis, MongoDB, Angular

**Scale:** Implemented Redis-based queue system for optimized data processing

**Compliance:** Achieved 99.9% uptime while handling concurrent requests from multiple data science teams

#### – GitLab Infrastructure Migration

Led version control infrastructure upgrade initiative for development team

**Technical Achievement:** Successfully set up and configured GitLab CE on cloud infrastructure

**Implementation:** Configured and deployed GitLab CE on cloud infrastructure

**Impact:** Improved developer productivity by implementing modern version control workflows

**Maintenance:** Established robust backup systems and security update protocols

---

### S&J Aviations

Systems Administrator

[2014 - 2015]

#### – Network and Web Infrastructure - S&J Aviations

Managed IT infrastructure and web presence as Systems Administrator

**Technical Achievement:** Managed IT infrastructure and web presence as Systems Administrator

- Implemented remote network monitoring and management system
- Designed and deployed company website
- Set up DNS filtering system for workplace security

#### **Key Impact**

- Enhanced network security through DNS-level content filtering
- Improved workplace productivity by restricting access to non-work websites

- Established company's online presence through website development

**Technical Stack:** Network management tools, DNS management, HTML5/CSS, Javascript, PHP

### Operations

- Maintained network infrastructure
- Handled remote system administration

---

## Karunya University - EWYL Program

Web Designer— Photographer

[2015 - 2020]

### – University Web Design Initiative - Karunya University

Selected for Earn while you learn program (EWYL) as University Web Designer — Photographer

**Role:** Successfully set up and configured GitLab CE on cloud infrastructure

### Creative Impact

- Served as official student photographer for university website content
- Created brochures and design assets using Adobe tools

**Technical Stack:** HTML/CSS, Adobe Photoshop and Illustrator

### Key Contributions

- Managed photography sessions by recruiting and co-ordinating student volunteers
- Delivered visual content for university's web presence
- Designed and implemented Admissions website
- Developed marketing materials using design tools

## Technical Skills

---

### Core Programming Languages

- Primary: TypeScript, JavaScript
- Secondary: Python, Dart

### Frontend Development

- Frameworks: Angular, React, Flutter, Vue.js
- UI/UX: HTML5, CSS, SCSS, jQuery
- Design Tools: Adobe Suite, Figma
- Visualization: d3.js
- Documentation: Swagger/OpenAPI
- Utilities: Lodash, jQuery

### Backend Development

- Runtime & Frameworks:
  - Node.js Ecosystem: Node.js, NestJS
  - Python Ecosystem: Django, FastAPI

- Other: Deno

## **Data & Storage**

- Databases: MSSQL, PostgreSQL, MySQL, MongoDB
- Caching & Search: Redis, Elasticsearch
- Data Processing: Python Pandas

## **Cloud & Infrastructure**

- Major Platforms: AWS, Azure, Google Cloud
- Specialized Services: DigitalOcean, Cloudflare

## **AI & Machine Learning**

- LLM APIs: OpenAI, Anthropic Claude, Google Gemini

## **DevOps & Tools**

- Containerization: Docker
- CI/CD: Jenkins
- Version Control: Git
- System Tools: SSH, Handful of CLI Tools
- API Testing: Postman

## **Operating Systems**

- Unix-based: MacOS, Linux (Ubuntu)
- Other: Windows

## **Education**

---

### **B.Tech Information Technology (Engineering)**

Karunya University, India

[2008 - 2013]