

Arjun Ramendra

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Professional Summary

Results-driven **Senior Software Engineer** with **8 years of experience** in **Healthcare, Serviceability, IoT, and Banking** domains. Specialized in **Java, Spring Boot, and Microservices**, with hands-on expertise in **DevOps, CI/CD, and Cloud (Azure)** environments. Strong background in designing scalable distributed systems, applying **SOLID principles**, and developing clean, maintainable code. Collaborative team player passionate about building high-quality software that drives business outcomes.

Core Competencies

Languages & Frameworks: Java, Spring Boot, Hibernate, JPA, REST APIs, WebSockets

Architecture: Microservices, SaaS, Event-Driven Design, Distributed Systems

DevOps & Cloud: Docker, Kubernetes, Azure Cloud, Azure DevOps, PCF

Databases & Messaging: MySQL, PostgreSQL, RabbitMQ, MQTT

Tools: Git, Maven, IntelliJ, Postman, OpenAPI Spec, Entra ID

Testing: JUnit, Mockito | **Concepts:** CI/CD, Temporal IO, DAPR, Rate Limiting, Multithreading

Professional Experience

Straumann Group – Senior Software Engineer

 August 2023 – Present |  Bangalore, India

Project: Platform Governance & Framework Development

- Designed and enhanced multiple **microservices** and **internal libraries** using *Java, Spring Boot, RabbitMQ, and Azure DevOps*.
 - Built **reliable integration systems** with high performance, collaborating closely with architects/product team for solution design.
 - Conducted **POCs** on *Temporal IO, DAPR, Azure Service Bus Dead Lettering, and Webhooks*.
 - Led integration initiatives ensuring consistency and scalability across Straumann AXS products.
 - Championed **clean code** and **DevOps best practices**, improving deployment stability and delivery speed.
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Philips India (PIC, Bangalore) – Software Engineer II, R&D

[31] August 2019 – August 2023

Project: Remote Software Management

- Developed **microservices** enabling remote monitoring and firmware updates of medical devices.
 - Implemented **messaging workflows** using RabbitMQ with schedulers, dead-letter queues, and recovery patterns.
 - Created and maintained **LLDs** to support new feature development and system enhancements.
 - Supported **production systems**, resolving customer issues and improving uptime reliability.
 - Delivered **POCs** for *Docker, RabbitMQ, and MQTT* to strengthen remote software management capabilities.
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MCCI Corporation – Software Engineer

[31] December 2017 – July 2018

Project 1: Auroville Water Management (IoT)

- Interfaced *RC601 water pressure sensors* with *Catena 4450* using I²C Mux; integrated with *The Things Network* and *Cayenne Dashboard* for remote water level monitoring.
- Enabled real-time well monitoring to improve environmental and utility management.

Project 2: Accord Waters, Mumbai

- Integrated *Modbus 485 water flow sensors* with *Catena 4450* boards using *Modbus RTU*.
 - Helped the *Mumbai Corporation* optimize city-wide water distribution.
 - Represented MCCI at the **2nd Internet of Things Expo, Delhi (2018)**.
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Nexustree Consultancy Services – Software Developer

[31] December 2016 – December 2017

Project: ATM Log Analysis Tool (Hitachi Omron Terminal Solutions)

- Developed a **C++ command-line ATM log analysis tool**, automating large-scale transaction log reviews.
 - Reduced manual analysis time by ~70% through automated parsing and pattern detection.
 - Followed a **V-Model SDLC**, including requirements, design, implementation, and testing.
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Education

M.E. in Internet of Things | Manipal Institute of Technology, Manipal (2018 – 2020)

**B.E. in Electronics & Communication Engineering | Sri Venkateswara College of
Engineering, Chennai (2012 – 2016)**

12th: SBOA Matriculation School, Chennai | **10th:** Somerville School, Noida

Personal Details

- **Date of Birth:** 16 May 1994
- **Languages:** English, Hindi, Tamil
- **Hobbies:** Reading, Gaming, Traveling