

SUGAVANESH MURUGESAN

Software Developer | Cloud Native Applications | AWS Certified

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Backend Software Engineer with hands-on experience in cloud-native microservices, system design, and infrastructure automation. Strong expertise in AWS, Kubernetes, Java (Spring Boot), and scalable backend systems. Proven contributor to both enterprise projects and open-source tools.

SKILLS

- **Cloud & Devops:** AWS, Azure, Docker, Kubernetes, Terraform, Pulumi
- **Frameworks & Paradigms:** Spring Boot, ASP.NET, Ruby on Rails, Express, **Reactive Programming** (Project Reactor, Webflux)
- **Programming Languages:** Java, C#, Go, Python, JavaScript, SQL

PROFESSIONAL EXPERIENCE

PRESIDIO

Chennai, India

Associate Engineer (Intern and Full-Time)

From June-2024

- Worked on AWS to set up and architect better infrastructure for microservice & data intensive applications. Additionally had experience with Migration tools like MGN and Azure Migrate.
- Built tools in .NET, React, and Python to improve internal workflows and deployment automation.

FOURKITES

Chennai, India

Software Developer Intern

Jul 2023-Mar 2024

- Engineered a new export microservice (Spring Boot) reducing data export time from 15 minutes (.xlsx) to near-instant (.csv), improving customer experience and offloading legacy systems.
- Integrated Snowflake with Apache Airflow ETL pipelines, consolidating data queries across 3 Postgres instances and improving data pipeline efficiency.
- Migrated Kubernetes workloads from AWS to Azure, improving cloud-agnostic deployment strategy.

PROJECTS

GATHER-SPACE [github.com/GatherSpace/backend] - Spring boot, React & MySQL

From Jan 2025

- Built a virtual workspace platform inspired by Gather.town with real-time user presence, proximity-based interaction, and customizable room layouts. Leveraged Spring Boot, React, WebSockets, and MySQL for scalable real-time backend.
- Implemented user profiles, spatial navigation logic, and customizable room layouts to simulate collaborative environments.

LIFEFLOW [github.com/sugan0tech/capstone] - .Net, React & MSSQL Server

Aug 2024-Oct 2024

- An intelligent software assistant for blood banking Systems. Well orchestrated modular monolith application written in ASP.net & react.

EVENT-MANAGER [github.com/sugan0tech/Event-Manager] - Spring Boot, Go & JS

Jan 2023-Mar 2023

- Led a team of 5 to develop an application designed to handle multiple events for university student groups.
- Handled backend using Spring Boot; co-developed frontend layers for web and mobile platforms.

EDUCATION

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Coimbatore, India

B.E. in Computer Science

CGPA 8.5

Nov 2020-May 2024