Samarth Shetty

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Professional Summary

Backend Software Engineer with **3+ years** of experience in developing and maintaining scalable, event-driven microservices using Node.js, MongoDB, and AWS. Proficient in JavaScript and Java with strong understanding of OOP principles and data structures. Experienced in integrating Apache Kafka, BullMQ, and Redis. Hands-on with CI/CD pipelines using Jenkins and cloud deployments. Effective in delivering high-performance, secure APIs and backend systems aligned with business needs.

Technical Skills

Languages: JavaScript, Java
Frameworks: Node.js, Express.js
Databases: MongoDB, Redis, Elasticsearch
Message Queues: Apache Kafka, BullMQ
Cloud Services: AWS (EC2, IAM, ELB, ASG, Route 53)
Tools: Docker, VS Code, Postman
CI/CD Tools: Jenkins, Docker
Version Control: Git, GitHub
API Tools: Postman
Project Management: JIRA

Education

Bachelor of Science (B.Sc) in Information Technology, *Shankar Narayan College*
06/2019 – 05/2022 | Mumbai, India

HSC, *Shankar Narayan College*
07/2017 – 02/2019 | Mumbai, India

SSC, *ST. Aloysius English High School*
03/2017 | Mumbai, India

Certificates

AWS Beginner to Intermediate, Udemy
- Completed course on EC2, IAM, ELB, Auto Scaling Groups (ASG), and Route 53 with hands-on AWS experience.

Professional Experience

Software Development Engineer - I,
(Digital startup backed by Lodha Group)
05/2023 – Present
- **Technologies:** Node.js, Express.js, MongoDB, Redis, BullMQ, Elasticsearch, AWS
- Designed and developed **low-latency**, **high-availability**, and **performance-optimized** backend microservices.
- Developed secure RESTful APIs with JWT **authentication** and Joi validation, implementing best practices for data protection and workflow security
- **Improved API performance by 72%** through MongoDB query optimization, Redis caching, and backend tuning.
- Developed **modular**, **reusable**, and **scalable** components aligned with microservices architecture principles.
- Utilized **Git workflows** for branching, version control, merging, and CI/CD deployment.
- Demonstrated strong **problem-solving**, **debugging**, and **analytical skills** to maintain application reliability.

Software Development Engineer,
Grab A Grub (A Reliance Retail-Backed Logistics Company)
08/2022 – 05/2023
Technologies: Node.js, Express.js, MongoDB, Kafka, GitHub, Azure
- Built **Kafka-based microservices** for real-time communication in logistics workflows.
- Developed and maintained **secure RESTful APIs** for the Cash Management and Event Notification systems.
- Used **MongoDB** to store and retrieve transactional and event data efficiently.
- Created a **Global Event Processing System** to manage and broadcast events across microservices.
- Used **GitHub** for version control and **Azure DevOps** for CI/CD pipelines and automated deployments.

Key Projects

BelleVie App – Digi Realty
- Developed **RESTful APIs** for critical modules: Marketplace, Events, Amenities, and Discovery.
- Integrated **Elasticsearch** for **real-time** vendor and listing search.
- Optimized MongoDB queries and **enforced secure data** flow across microservices.

Society Dashboard
- Developed backend modules for Events, Notices, and Amenities.
- Enabled society admins to target specific flats, groups, or entire societies using dynamic filtering logic.

Marketplace Dashboard
- Built and deployed backend services to sync and expose lead data generated from the BelleVie App to vendors.
- Structured data models and API contracts to support **real-time synchronization** and efficient vendor-level visibility.
- Implemented **role-based access control (RBAC)** and custom admin APIs for secure data access and operational control.

Cash Management System – Grab A Grub
- Developed a standalone microservice from scratch to manage cash transactions, enabling **real-time communication** with logistics services via **Apache Kafka**.
- Designed MongoDB schemas and implemented **RESTful APIs** to fetch and display customer transaction histories with filtering and pagination.
- Ensured **data consistency**, **idempotent operations**, and robust failure handling in high-volume financial transaction workflows.