Sawan Sancheti

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Summary

Backend-focused Software Engineer with 5+ years of experience designing and building large-scale distributed systems in fintech and SaaS domains. Proficient in Python, Kotlin, and Java, with expertise across frameworks like Django and Spring Boot. Strong foundation in systems design, database architecture, and cloud-native development. Adept at communicating technical ideas clearly and mentoring engineers. Deeply curious, with academic interests in functional programming, formal verification, and mathematics.

Skills

Languages	Kotlin, Python, Java, GraphQL, SQL, Agda/Haskell, Lisp
Frameworks	SpringBoot, Django, Flask
Cloud/Infra	AWS (Lambda, AppSync, S3, etc.), Kubernetes, Docker, Kafka
Databases	PostgreSQL, MongoDB, RDS
Tools/DevOps	Git, Postman, OpenAPI, Gradle, Unix/Linux, CI/CD (GitHub Actions, etc.)
Core Areas	Distributed Systems, Functional Programming, OOP, DBMS, Software Architecture

Work Experience

Rippling | **Software Engineer II**
Bengaluru, India | Sep 2024 - Present

A start-up focused on enabling employers to manage their global workforce in one place.

- Spearheaded development across core HRIS modules, improving employee hiring and onboarding workflows used by thousands of companies.
- Built proof-of-concepts for AI-powered applications, including a Retrieval-Augmented Generation (RAG) system to triage customer support issues.
- Led cross-functional initiatives involving backend services, API integrations, and internal tools; collaborated across product, design, and engineering teams to ensure timely delivery.
- Actively participated in on-call rotations — triaged production issues, resolved user-impacting bugs, and led cross-team incident reviews and postmortems to improve system resilience.
- Mentored junior engineers through design reviews, pair programming, and delivery planning, fostering stronger team execution.

Jupiter | **Software Development Engineer II**
Bengaluru, India | Mar 2023 - Sep 2024

A leading fintech start-up pioneering innovative solutions to revolutionize personal finance management.

- Engaged in the software development lifecycle end-to-end, viz. from initial specification analysis and scoping requirements to technical design, development, testing and deployment; ensuring successful delivery across multiple projects within the lending stack.
- Built and owned multiple services on loans platform, also ensuring the maintenance of high code quality standards across source code repositories.
- Played a pivotal role in re-architecting of the lending platform through design documentation, rigorous design and code reviews, and the implementation of industry-leading design patterns.
- Pioneered the adoption of best practices in testing methodologies, such as property-based testing within critical software components, leading to widespread adoption across teams.

Jupiter   **Software Development Engineer I**
Bengaluru, India   **Aug 2021 - Mar 2023**

- Architected and implemented high-throughput, production-grade platform services, handling a daily volume of over a million transactions, including an intelligent auto-pay service, a resilient card transaction service, and a flexible EMI platform.

- Translated intricate product constructs into technical specifications by documenting both high-level and low-level design of target systems and meticulously defining domain, especially for credit cards.

- Designed and implemented a dynamic auto-pay service utilized across various functions organization-wide, catering to diverse collection requirements including bill payments, loans collection, and SIPs.

- Addressed longstanding technical debts, resolved bugs, conducted refactoring and implemented performance optimizations across various services. Also, provided on-call support on a regular basis.

Shuttl   **Software Engineer**
Bengaluru, India   **Apr 2021 - Aug 2021**

An innovative mobility start-up dedicated to revolutionizing daily commutes.
- Spearheaded the migration of high-traffic platform services from Flask to FastAPI, significantly augmenting scalability and performance capabilities.

- Initiated strategic optimizations in core micro-services to improve code quality, maintainability and performance; effectively addressing technical debt accumulated over time.

Nagarro   **Associate Software Engineer**
Gurugram, India   **Jan 2020 - Mar 2021**

A global digital solutions provider empowering businesses with cutting-edge technology.
- Fostered close collaboration with clients to deliver innovative digital solutions, seamlessly integrating business requirements into the development process.

- Engineered a robust Content Management System (CMS) served via a GraphQL server, streamlining content creation, management, and delivery processes.

- Developed an efficient self-balancing directory structure for managing master content, reducing operational overheads and enhancing system scalability.

- Managed the deployment of a GraphQL server application on AWS AppSync combined with AWS Lambda functions, facilitating queries to the content management system.

- Wrote an identity access management system to ensure secure user authentication and access control for the CMS using RDS and serverless apps.

- Spearheaded proof-of-concept initiatives leveraging technologies like Clojure and graph databases such as Neo4j, which evolved into fully-fledged projects.

AGH University of Science and Technology   **Research Intern**
Krakow, Poland   **Jun 2019 - Jul 2019**

- Conducted extensive research on international relationships utilizing publicly available news articles, journals, and other sources.

- Utilized unsupervised machine-learning algorithms and tools like Python, Jupyter Notebook, and Gephi for social network analysis and visualising data.

EDUCATION

Manipal University Jaipur   **B.Tech Computer Science and Engineering**
Jaipur, India   **2016 - 2020**