

**GUNA SUNDAR CHITRALA**  
**SOFTWARE ENGINEER**

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## SUMMARY

Software Developer with over 5 years of experience delivering high-performance web applications using Java, Spring Boot, React.js, Python, Django, and GenAI, with strong expertise in object-oriented programming (OOP), RESTful API development, and Agile methodologies. Builds scalable, responsive, and accessible front-end interfaces using React.js, TypeScript, Redux, HTML5, CSS3, Bootstrap, and AJAX, ensuring seamless user experiences. Experienced in backend development with Spring MVC, Spring Security, Hibernate (JPA), and Django to design microservices, implement secure authentication, and manage data with MySQL, PostgreSQL, and MongoDB. Proficient in deploying cloud-native applications on AWS (EC2, Lambda, S3, RDS) and managing containerized environments using Docker and Kubernetes. Skilled in CI/CD pipelines with Git, GitHub, Jenkins, and Maven, ensuring scalable, resilient, and cost-effective software delivery.

## SKILLS

**Methodologies:** SDLC, Agile/Scrum, Waterfall

**Languages:** Python, Java, C#, SQL, Go, TypeScript, JavaScript

**Frameworks/Libraries:** Spring Boot, Spring MVC, JSF, Hibernate, React.js, Node.js, Express.js, Next.js

**Spring Frameworks:** Spring REST, Spring Web, Spring Web Flow, Spring Batch, Spring Security

**J2EE Technologies:** Servlets, JSP, JSTL, JavaBeans, JDBC, Microservices

**Web Technologies:** HTML5, CSS3, Bootstrap 5, jQuery, AJAX, JSON, XML, Redux

**Cloud/Application Server:** AWS (API Gateway, CloudWatch, Lambda, S3, SQS, ECS, EKS), GCP (Cloud Run, Pub/Sub, BigQuery)

**Database:** PostgreSQL, MongoDB, DynamoDB, MySQL, Oracle

**Tools:** Docker, Jenkins, JIRA, Postman, Git, GitHub, JUnit, Maven, Kubernetes, SonarQube

## WORK EXPERIENCE

**Freddie Mac, GA**

*Oct 2024 – Current*

**Software Engineer**

- Developed scalable backend microservices using Java and Spring Boot, supporting systems handling over 2M mortgage transactions monthly with 99.99% uptime.
- Designed Kafka-based event processing pipelines to enable real-time processing, cutting transaction lag by 40% and reducing data sync errors across services.
- Implemented JWT security protocols with Spring Security, achieving SOC2 compliance and reducing unauthorized access by 35%.
- Wrote high-performance SQL/HQL queries with PostgreSQL and Hibernate, cutting report times from 3 minutes to under 20 seconds.
- Automated infrastructure deployments via Jenkins and Docker, decreasing deployment errors by 50% and enabling 2x faster production rollouts per sprint.
- Built GenAI tools using Python & LangChain for document summarization, saving analysts 6+ hours/week and improving review consistency by 25%.
- Migrated core apps to AWS ECS and RDS, reducing latency by 20%, improving reliability and lowering infrastructure spend by 15%.

**Goldman Sachs, India**

*Jun 2022 - Dec 2023*

**Software Engineer**

- Built full-stack applications using MERN for internal platforms, increasing usage by 50% and improving feature adoption rates across stakeholder departments.
- Engineered secure RESTful APIs with Node.js and Express, reducing request-response time by 35% and increasing transaction reliability during peak usage hours.
- Integrated Redux for state management across React applications, decreasing front-end bugs by 40% and improving session consistency across all user roles.
- Refactored React components into functional patterns using hooks, improving readability and reducing maintenance by nearly 30%.
- Optimized MongoDB queries and indexes, improving response times by 45%, supporting 2x user increase without impact.
- Established automated CI/CD pipelines via GitHub Actions and Docker, reducing errors by 60% and shortening release cycles.
- Participated in Agile ceremonies and retrospectives, collaborating with teams, contributing to a 20% boost in sprint velocity.

**Goldman Sachs, India**

*Jan 2021 - May 2022*

**Junior Software Engineer**

- Developed Django-based web applications to automate reporting workflows, improving team efficiency by 35% and reducing manual errors across multiple internal business teams.
- Created responsive user interfaces with HTML5 and CSS3, improving compatibility and increasing internal tool usage by 20% daily.
- Integrated REST APIs using Django REST, reducing errors by 25% and enhancing modularity for faster debugging and iteration.
- Designed scalable PostgreSQL schemas and optimized indexes, decreasing query latency by 40% and supporting sustained performance under increased data loads.
- Deployed applications to AWS EC2 instances with Git-based CI/CD, reducing downtime by 30% and ensuring seamless rollouts across test and production environments.

## EDUCATION

**Master of Science in Computer Science**

Kennesaw State University GA