

Govind Asawa

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SUMMARY

Results-driven Software Development Engineer with 3+ years of experience in designing, developing, and deploying scalable web applications and RESTful APIs. Proficient in Java, Python, & JavaScript with a strong understanding of microservices architecture and database design. Passionate about optimizing system performance and enhancing customer experience through innovative solutions.

SKILLS

Programming Languages: Java, Python, JavaScript, Shell Scripting

Databases: PostgreSQL, MySQL, Redis, MongoDB, MariaDB, TimescaleDB

Frameworks/Tools: Spring framework, Spring Boot, Hibernate, Flask, React.js, jQuery, Maven, Tailwind CSS, HTML, REST API, AWS, Jenkins, Spinnaker, Apache camel, Rabbitmq, Git, SVN, JIRA, Confluence, Postman

Security tools: Fortify, Burp, Black duck, Vault, OAuth

Development Practices: Code Review, Clean code, Design Patterns, SOLID, Agile, Scrum, SDLC, CI/CD

Operating System: Linux, Windows

EXPERIENCE

Software Engineer Intern

Aug 2024 – May 2025

Copart Dallas, Texas, USA

- **Microservices:** Developed a Spring Boot microservice with a TimescaleDB-based pipeline to automate metric aggregation and hourly forecasting, improving SLA compliance by 20%; secured configs with Spring Cloud Config and Vault.
- **Scalable API Design:** Refactored a monitoring metrics REST API into a reusable, page-agnostic format, cutting development effort by 80% and improving system flexibility.
- **Machine Learning:** Built and Dockerized a Python Flask app for anomaly detection using MSTL & Prophet forecasting models, achieving 95% accuracy; leveraged Celery with RabbitMQ for distributed tasks & SFTP for secure remote model storage.
- **Performance Optimization:** Reduced cron job runtime by 10% by applying multi-threading and redesigning Redis caching with multiple keys and efficient data structures.

Software Engineer

Oct 2022 - Aug 2023

OpenText Technologies

Hyderabad, India

- **Full stack Development:** Contributed to an annual revenue increase of \$800K by enhancing Content Hub for Publishers using JavaScript (React.js, jQuery) and Spring Boot.
- **Feature Development:** Implemented 30+ end-to-end product features, improving user experience and functionality.
- **System Stability:** Resolved 150+ vulnerabilities flagged by Black duck & Fortify, improved code quality, conducted root cause analysis for recurring issues, boosting overall system uptime and stability.
- **Production Deployment:** Led production deployment processes, including raising and obtaining approvals for Change Requests, deploying code to production, and troubleshooting issues.
- **API Integration:** Integrated Shutterstock and Getty REST APIs, automating asset imports and reducing manual effort by 40%.

Associate Software Developer

Jan 2021 - Sep 2022

OpenText Technologies

Hyderabad, India

- **Security Enhancements:** Engineered a password encryption mechanism using Java and Bash, mitigating potential vulnerabilities and improving security by 70% as flagged by Fortify scans.
- **Performance & UX Improvement:** Built a React table with server-side pagination and sorting via Spring Boot, cutting contributor data load time by ~1 seconds per request, reducing network payload & delivering smoother user experience.
- **Plugin Development:** Built a JavaScript plugin to clean user inputs using regex, reducing text formatting efforts by 95%.
- **Documentation:** Improved team collaboration by promoting documentation on JIRA and Confluence, supporting Agile practices.

Software Engineer Intern

Oct 2020 - Dec 2020

OpenText Technologies

Hyderabad, India

- **Data Pipeline Automation:** Designed a Java solution to parse XML files, extract structured data, and store it in MySQL databases, automating 80% of data processing tasks.

PROJECTS

Eventique, [Link](#)

- Built a single-page event planning application with an interactive calendar by leveraging React.js and Tailwind CSS for a user-friendly interface, Django with Gemini API for seamless functionality and Docker for containerization, employing agile practices.

US Car Accidents, [Link](#)

- Processed 7.7 million rows using python to forecast severity of car accidents in the USA with an accuracy rate of 87%.

Share-me, [Link](#)

- A Pinterest-style image-sharing web app built with React, Tailwind CSS, & Sanity (backend & Database) to deliver modern, responsive UI with Google OAuth for seamless user authentication.

EDUCATION

University of North Texas, Master of Science, Computer Science

Aug 2023 – May 2025

Coursework: Advanced Algorithms, Data structures, Software development, Database systems

Denton, TX, USA

JNTUH, Bachelor of Technology, Computer Science and Engineering

Aug 2017 - Aug 2021

Coursework: Algorithms & Data structures, Object oriented programming (Java), Operating systems

Hyderabad, TS, IN