

Govind Asawa

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SUMMARY

Software Development Engineer with 3+ years of experience building scalable web applications and optimizing system performance to meet business objectives. Proficient in Java, Python, and JavaScript, with a strong background in microservices, REST API implementations, and database design. Passionate about enhancing system efficiency through caching strategies & AI-driven analytics.

SKILLS

Programming Languages	: Java, Python, JavaScript, PHP, HTML, CSS, Shell Scripting
Databases	: SQL, NoSQL, MySQL, MariaDB, PostgreSQL, MongoDB, Redis, TimescaleDB
Frameworks / Tools	: Spring framework, Spring Boot, Hibernate, Microservices, Maven, React.js, TailwindCSS, AWS, REST API, MVC, Postman, Git, GitHub, Bitbucket, Linux, Fortify, Jenkins, Spinnaker, Apache camel, Rabbitmq, Object oriented programming, XML, YAML, Vault, OAuth
Development Practices	: code review, design patterns, SOLID, Agile, Scrum, SDLC, CI/CD
Technologies	: Web Development, Backend, Machine Learning, Data Analysis

EXPERIENCE

Software Engineer Intern

Aug 2024 – May 2025

Copart Dallas, Texas, USA

- **Microservices:** Built a Spring Boot microservice and TimescaleDB-based pipeline to automate metric aggregation and hourly forecasting, enabling 24-hour ahead predictions and improving SLA by 20%.
- **Scalable API Design:** Refactored a rigid monitoring metrics API into a reusable, page-agnostic format, cutting development effort by 80%.
- **Performance Optimization:** Achieved 10% faster execution time of a microservice's cron job by applying multi-threading and optimizing Redis cache using multiple keys with hash and string data structures.
- **Machine Learning:** Developed a Python Flask app for real-time anomaly detection using forecasting models, achieving 95% accuracy; used Celery with RabbitMQ for distributed task execution.

Software Engineer

Oct 2022 - Aug 2023

OpenText Technologies Hyderabad, India

- **Feature Development:** Implemented over 30+ features using Java, including vendor integration modules that improved operational efficiency by 15%.
- **System Stability:** Improved legacy codebase by resolving 200+ critical bugs and performing root cause analysis for recurring issues, boosting overall system uptime and stability.
- **API Integration:** Integrated third-party REST APIs of asset management systems, automating the asset import process and reducing manual intervention by 40%.
- **Documentation:** Facilitated team collaboration by promoting documentation on JIRA and Confluence, reducing onboarding time by 25%

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.
- **Frontend Development:** Created a JavaScript plugin to sanitize user inputs using regex, saving 95% of manual effort in text formatting corrections.
- **Version Control:** Utilized Git for source code management, ensuring traceability and reduced merge conflicts, which streamlined collaborative development.

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, Gemini-Pro API for seamless functionality and Docker for containerization.

US Car Accidents, [Link](#)

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

Natours App, [Link](#)

- Coded a full-stack web application for users to search, view, and book tour packages with secure payment integration, leveraging Node.js, Express.js, and MongoDB, with role-based authorization and email notifications

EDUCATION

Master of Science (M.S) in Computer Science - University of North Texas, Denton, TX - GPA: 4.0/4.0

Aug 2023 – May 2025

Bachelor of Technology, Computer Science - Jawaharlal Nehru Technological University, India

Jun 2017 - Jun 2021