

# Shubham Shrotriya Software Developer

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## PROFESSIONAL SUMMARY

- **Software Developer** with around **5 years of experience** in designing, developing, and optimizing scalable applications using **Java 17, Spring Boot, Hibernate, and Microservices** in Agile environments.
- **Expert in backend development**, building **RESTful and GraphQL APIs**, implementing **Spring Security, OAuth 2.0, JWT**, and database solutions with **PostgreSQL, MySQL, and MongoDB** for secure and efficient data management.
- **Skilled in front-end development**, crafting responsive UIs with **React.js, Angular, TypeScript, and Redux** for optimized performance.
- Proficient in DevOps and cloud computing, **deploying applications using Docker, Kubernetes, AWS (ECS, Lambda, S3)**, and CI/CD pipelines **for scalability and automation**.
- Experienced in performance optimization and debugging, **enhancing application efficiency, scalability, and code maintainability using JVM tuning, multithreading, caching strategies**, and profiling tools like **JProfiler and New Relic**.

## TECHNICAL SKILLS

**Programming Languages & Frameworks:** C++, Java, Python, JavaScript, React, Node.js, Spring Boot, Express.js, Angular.js, Django

**Database Management:** SQL, MongoDB, PostgreSQL, MySQL

**Cloud Platforms & DevOps:** AWS, Azure, Docker, Kubernetes

**Frontend & UI/UX Development:** HTML5, CSS3, Bootstrap, Tailwind

**Development & Integration:** RESTful APIs, GraphQL

**Version Control Systems:** Git, GitHub, GitLab

**Software Testing & Debugging:** JUnit, Jest, Mocha

**Agile & Project Management:** JIRA, Trello, Scrum, Kanban **Performance Optimization:** Algorithm efficiency, Data structures

## PROFESSIONAL EXPERIENCE

**Software Developer, Accenture**

Jan 2024 – Present | California, USA

- **Designed and developed scalable enterprise applications** using **Java, Spring Boot, and Angular**, enabling seamless integration of financial data processing and enhancing system performance for high-availability services.
- **Built and deployed RESTful APIs** to facilitate communication between distributed systems, optimizing data exchange and reducing API response time by **30%** to support millions of daily transactions.
- **Enhanced software reliability** with **JUnit, Mockito, and SonarQube**, increasing test coverage by **60%** and reducing post-production defects.
- **Optimized database performance** in **PostgreSQL, MongoDB, and DynamoDB**, redesigning indexing strategies and partitioning large datasets to improve query response time by **40%** for high-traffic applications.
- **Automated infrastructure provisioning and cloud deployments** using **Terraform, CloudFormation, and AWS Lambda**, reducing manual intervention by **20 %** and ensuring seamless scalability of cloud resources by **25 %**.
- **Refined front-end interfaces** using **React, TypeScript, and Redux**, enhancing user experience and reducing page load times by **25%**.

**Software Developer, JPMorgan Chase**

Jul 2019 – Aug 2023 | India

- **Developed and optimized a scalable microservices architecture** using **Java, Spring Boot, and RESTful APIs**, enhancing application responsiveness and improving system throughput by **35%** to handle high transaction volumes efficiently.
- **Revamped complex SQL queries** in **PostgreSQL and MySQL**, improving query execution speed by **40%** for real-time data processing.
- **Led the migration of a legacy monolithic application to cloud-native microservices** on **AWS (EC2, Lambda, S3, RDS)**, enabling seamless scalability, reducing infrastructure costs, and improving disaster recovery capabilities.
- **Implemented CI/CD pipelines** using **Jenkins, GitHub Actions, Docker, and Kubernetes**, automating deployments and reducing release cycles by **50%**, ensuring faster and more reliable software delivery.
- **Created real-time data streaming solutions** with **Kafka and Spark**, enabling processing of **10M+ daily transactions** with minimal latency.
- **Integrated OAuth 2.0 and JWT authentication protocols**, strengthening application security and compliance with industry standards.
- **Collaborated with DevOps and QA teams**, refining deployment strategies and optimizing test automation frameworks.
- **Debugged and fine-tuned application performance** using **profiling tools like JProfiler, New Relic, and Splunk**, identifying bottlenecks and improving system execution speed by **20%**, leading to a more responsive and stable platform.

## EDUCATION

**University of California, Riverside**

Sep 2023 – Dec 2024 | Riverside, CA

Master of Science in Computer Science

**Institute of Technical Education and Research**

Aug 2016 – Jul 2020 | Bhubaneswar, India

Bachelor of Technology in Computer Science

## CERTIFICATIONS

AWS DevOps Engineer Professional 2021: AWS Code Deploy

Database for Developers by Oracle Dev gym

The Skilled CloudOps Engineer: Transforming to a Cloud Ops Engineer