

SAIPRAKASH BOLLAM

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PROFESSIONAL SUMMARY

Software Engineer and Java Full-Stack Developer with 3 years of experience building scalable, high-performance applications using Spring Boot, Angular, and RESTful APIs. Proficient in optimizing database queries, automating CI/CD pipelines, and enhancing system reliability. Certified Oracle Java SE 11 Developer with a Master's in Computer Science (GPA: 3.9/4.0).

EDUCATION

State University of New York (SUNY) – Binghamton, NY

May 2025

Master of Science (M.S.), Computer Science (GPA: 3.9/4.0)

- **Coursework:** Programming Languages, Design and Analysis of Algorithms, Operating Systems, Database Systems, Systems Programming, Design Patterns, Computer Security, Artificial Intelligence

PROFESSIONAL EXPERIENCE

LTIMindtree | *Software Engineer*

Aug 2021 - Jul 2023

- Engineered 6+ scalable components using Spring Boot and Angular to enhance software architecture and elevate application performance by 30%.
- Architected and validated 10+ RESTful APIs with JUnit and Postman, achieving 95% test coverage and boosting reliability.
- Optimized SQL queries and Hibernate mappings, reducing execution time by 30% and enhancing system responsiveness.
- Automated deployment pipelines with Jenkins, streamlining release processes by cutting deployment cycles by 25% and reducing manual interventions.
- Resolved 10+ critical bugs in Hibernate(JPA) & SQL, improving system stability by 20% and supporting robust troubleshooting.
- Mentored 3 junior developers on best practices in software design and coding, increasing team efficiency by 15%.
- Collaborated with 4 cross-functional Agile teams, efficiently managing source control with GitHub and tracking tasks in JIRA.
- Revamped legacy Spring Boot modules, lowering memory consumption by 25% and improving processing speed to support architectural enhancements.
- Developed parameterized JUnit test cases, elevating test efficiency by 50% and ensuring comprehensive code coverage.

Computer Science Dept., SUNY | *Software Engineer (Academic Systems & Automation)*

Aug 2024 - May 2025

- Developed automated grading tools using TypeScript and C, improving system efficiency by 60%.
- Delivered technical support and guidance on systems programming projects, enhancing code quality and performance.
- Optimized backend scripts and streamlined Gradescope workflows, reducing manual effort and boosting scalability.

PROJECT EXPERIENCE

Smart Contact Manager | github.com/Saiprakash17/SmartContactManager

- Designed a secure contact management system integrating Spring Boot, Spring Security, and OAuth, enhancing data privacy and mitigating unauthorized access incidents by 40%.
- Implemented MySQL for efficient data storage and AWS for cloud deployment, improving uptime by 20%.
- Optimized frontend with Thymeleaf and TailwindCSS, reducing page load time by 25%.

Vehicle Insurance (Insure Beta) | github.com/Saiprakash17/InsureBeta

- Built a comprehensive insurance management system, expediting claims by 30% using Spring Boot and Angular.
- Integrated **Hibernate** for database interactions, decreasing query response time by 35%.
- Developed RESTful APIs for seamless frontend-backend communication, boosting system efficiency by 20%.

SKILLS

- **Programming Languages:** Java, Python, SQL, C, C++
- **Frameworks and Tools:** Spring Boot, Hibernate, Angular, Spring MVC, Spring Data JPA, Spring Security, OAuth, JUnit, REST APIs, Microservices, Web services
- **Web Technologies:** HTML5, CSS3, JavaScript, TypeScript, TailwindCSS
- **Database:** MySQL, SQL Developer
- **DevOps and Tools:** AWS, Jenkins, GitHub, JIRA, Postman, VS Code, Android Studio, Gradescope
- **Concepts:** Data Structures, Algorithms, Object-Oriented Programming, Scaled Agile, CI/CD, Engineering Solutions

CERTIFICATIONS

Oracle Certified Professional, Java SE 11 Developer