

Summary

Motivated Full Stack Java Developer with expertise in both front-end and back-end technologies, seeking to contribute to innovative software solutions. Adept at designing, developing, and deploying scalable applications, with hands-on experience in software engineering and web development through internships. Proficient in Java, Python, and C++, alongside a solid understanding of computer science principles, including object-oriented design, algorithms, and data structures. Skilled in building robust, high-performance systems and eager to leverage technical expertise to drive impactful projects in a dynamic tech environment

Education

University of Dayton

Master of Science, Computer Science

Aug 2023 - May 2025

Dayton, Ohio

- **GPA:** 3.8

- **Coursework:** Advanced Programming, Data Structures and Algorithms, Advanced Storage Technologies, Object Oriented Programming, kernels Internals, Operating Systems, Job Scheduling, Resource Management, File Systems, Performance Engineering

Sreenidhi Institute of Science and Technology

Bachelor Of Technology, Computer Science

Aug 2019 - Jun 2023

- **GPA:** 3.2

- **Coursework:** Data Base Management System, JAVA Object-Oriented Programming, Python Programming, Machine Learning.

Skills

- **Programming Languages:** Java, C++, Python, JavaScript, NodeJs, React.js, R Programming, NextJs, J2EE, Spring Boot, Spring MVC
- **Databases:** MySQL, PL/SQL, MongoDB, AWS RDS, SQL/PostgreSQL, Build Pipelines, CI/CD, DevOps, Cassandra, Oracle
- **Cloud Technologies:** AWS (EC2, S3, Lambda), Kubernetes AWS, Docker, AWS CDK, Apache Kafka, Jenkins
- **Web Technologies:** HTML5, CSS3, JavaScript, React.js, Vue.js, Js Bootstrap, jQuery, TypeScript, GraphQL, Django, Carbon System Design
- **Soft Skills:** UX/UI Design, Problem-Solving, Time Management, Communication
- **Developer Tools:** Postman, Splunk Linux/Unix, Git, Postman, Visual Studio Code, IntelliJ, Package Management (npm, yarn), Selenium for test automation, JUnit, Cucumber, Automated Testing, Blackbox Testing, Functional Testing, Manual Testing, Performance Testing, Regression Testing, Smoke Testing, System Integration Testing, Unit Testing, User Acceptance Testing, Application Architecture, Data Architecture, Infrastructure Architecture, MicroServices

Work Experience

Denauren

Full Stack Software Developer Intern

Jan 2023 - Jul 2023

India

- Designed and implemented a user analytics dashboard using the MERN stack (**MongoDB, Express, React.js, Node.js**), improving user engagement by 15% through real-time insights and data visualization.
- Enhanced backend functionality using Node.js to support high-traffic data requests, ensuring system scalability and reliability.
- Improved customer experience by analyzing feedback from multiple data sources, enabling data-driven business decisions.

StuMagz

Web Development Intern

Jan 2022 - Jul 2022

India

- Improved website responsiveness and enhanced user experience by optimizing loading time by 25% using JavaScript frameworks (**React.js, JQuery**) and **CSS** animations, resulting in a 15% increase in user retention.
- Integrated Bootstrap for consistent and responsive UI, ensuring cross-platform compatibility across desktop and mobile devices, leading to a 10% increase in mobile traffic

Projects

Learning Management System (LMS)

Aug 2023 - Dec 2023

- Designed **RESTful** APIs with Spring Web, achieving a 30% reduction in response time and a 25% boost in data retrieval speed using Spring Data JPA.
- Established JWT-based security for role-based access control, enhancing user data protection by 40%.
- Created modules for course and lecture management, reducing administrative overhead by 15%.
- Integrated progress tracking and quiz management features, improving course completion rates by 20%.
- Utilized Web socket for real-time updates and documented APIs with **Swagger/OpenAPI**, achieving 90% code coverage through thorough unit testing.

E-Commerce Platform

Jan 2024 - Mar 2024

- Developed a microservices-based e-commerce backend, improving efficiency by 20% in product management and 25% in checkout times, while reducing stock update delays by 15%.
- Integrated secure payment processing with Stripe and established a persistent shopping cart, enhancing user experience and transaction reliability.
- Achieved 99.9% uptime using Spring Cloud for resilience and deployed with **Docker and Kubernetes**, resulting in a 30% increase in overall system performance.

Publications

- [A Review on Latest Trends in Development of Remotely Operated Marine Robots](#), The International Conference on Bio-Neuro Informatics and Algorithms (ICBNA 2022)

Certifications

- **AWS Certified Machine Learning - Specialty:** Amazon Web Services (AWS), Demonstrated expertise in applying machine learning techniques in cloud environments using AWS services (SageMaker, EC2, S3).
- **Cisco Certified Network Associate (CCNA):** certification in networking fundamentals, including IP addressing, routing, and switching.