

# Shiva Krishna Nangunuri

## Full Stack Developer

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### Summary

- A Full Stack Developer with 4+ years of experience in software development, specializing in building web applications using Java, Spring Boot, React.js, Node.js, and Angular.
- Expertise in Microservices Architecture and RESTful API development, enabling scalable and efficient software solutions.
- Proficient in front-end development with JavaScript, HTML5, CSS3, and frameworks like React and Angular to create dynamic, responsive user interfaces.
- Strong back-end development experience with Java, Spring Boot, Node.js, and Express.js, ensuring seamless integration and performance.
- Skilled in SQL and NoSQL databases (e.g., MySQL, MongoDB), optimizing queries for large-scale data management.
- Experience in cloud technologies (AWS, Azure) for deploying, scaling, and maintaining applications in production environments.
- Familiar with CI/CD pipelines (Jenkins, GitHub Actions) for automated testing, building, and deployment, ensuring continuous integration and delivery.
- Proficient in version control systems like Git, utilizing Agile methodologies for collaborative development and Scrum practices for team management.

### Technical Skills

Front-End Technologies:	HTML, CSS, Bootstrap, UI Material, SASS, JavaScript, Typescript, ES6, React JS, Redux, React Hooks, React Native, Angular JS
Back-End Technologies:	Java, Python, RESTful API, Webservice, Microservices, Spring Boot, Spring MCV, Spring Data JPA, Hibernate ORM, Node JS, Ruby, Django, DSA, PHP.Net
J2EETechnologies:	Servlets, JSP, JDBC, JUNIT, JMS, Maven, Multi-threading
Methodology:	Waterfall, Agile Scrum, Agile Kanban, TDD
IDEs:	NetBeans, IntelliJ IDEA, Eclipse, Visual Studio
Web Services:	RESTful, SOAP
Databases:	SQL, MongoDB (NoSQL), PostgreSQL, MySQL
CI/CD & Tools	Jenkins, Code Ship
Testing tools:	Mockito, React Testing Library, Jest
Cloud & Deployment:	AWS, Docker
Web Server:	Apache Tomcat, WebLogic
Other Tools:	Jira, Git, SVN, Ant, GitHub, Bitbucket, SwaggerOpenAPI, GraphQL
Operating Systems	Windows, LINUX, Mac iOS.

### Work Experience

IBM, TX  Java Full Stack Developer	Jan 2024 – Present
<ul style="list-style-type: none"><li>• Designed and developed Java components using Spring Framework to implement transaction management, resulting in improved reliability of system processes by 20%.</li><li>• Managed enterprise integration using Spring Integration to handle messages, routers, and service activators, leading to a smoother integration process for various system components.</li><li>• Developed a transaction management solution using Spring AOP and Hibernate ORM for a high-traffic e-commerce platform, reducing transaction failures by 15%.</li><li>• Spearheaded the design, development, and testing of a Spring-based microservice architecture, which enhanced scalability and reduced deployment times by 30%.</li><li>• Implemented Aspect-Oriented Programming (AOP) for logging and auditing, providing detailed insights and improving auditing efficiency for compliance purposes.</li><li>• Created technical specifications and unit test cases for a complex Java 8 application, ensuring 95% code coverage through rigorous testing and bug fixes.</li><li>• Utilized Hibernate for Object-Relational Mapping (ORM) to streamline data access and improve database performance by 25% in a financial services project.</li><li>• Played a key role in system integration testing and led efforts in user acceptance testing (UAT), ensuring seamless integration of multiple modules.</li><li>• Leveraged design patterns such as Singleton and Factory for system optimization, reducing memory consumption and improving overall system performance.</li></ul>	

## **Accenture, India | Full Stack Developer**

**Sep 2019 – Dec 2022**

- Led the development of a client-facing web application using React.js, Node.js, and TypeScript, streamlining the user experience and improving responsiveness, resulting in a 30% increase in user engagement within the first 3 months of deployment.
- Interfaced directly with clients to gather and refine requirements, ensured quality assurance, and resolved technical issues, resulting in a 15% improvement in customer satisfaction ratings through timely and effective solutions.
- Designed and reviewed application architecture, ensuring scalability and performance optimization using React.js components, improving page load times by 25% and reducing server-side bottlenecks.
- Participated in project estimation and risk assessment, providing critical inputs to solution delivery, and ensuring timely project delivery with a 10% reduction in overall project costs through resource optimization.
- Conducted code reviews and unit test plan reviews, maintaining high code quality standards and adherence to Infosys organizational guidelines, which resulted in a 40% reduction in post-deployment bugs.
- Implemented software configuration management systems using Git and Jenkins, automating CI/CD pipelines, and reducing manual deployment errors by 50%.
- Actively contributed to continual knowledge management by documenting best practices and conducting internal knowledge-sharing sessions, ensuring that the team remained updated with latest industry trends and technologies.
- Analyzed existing client processes, identified areas for improvement, and suggested technology-driven solutions using TypeScript and Node.js to enhance system performance and drive cost savings, achieving a 10% increase in overall operational efficiency.
- Demonstrated strong client interfacing skills during digital transformation initiatives, successfully managing project timelines, resource allocation, and team collaboration, leading to a consistent on-time delivery rate of 95% across multiple projects

## **Education**

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### **Master of Science in Computer Information Systems**

University of Houston Clearlake

### **Bachelor of Technology in Information Technology**

Vignana Bharathi Institute of Technology

## **Certifications**

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- AWS Certified Solutions Architect – Associate
- Java (NPTEL)
- DevOps Professional (Certificate by PagerDuty and LinkedIn)
- Python Certification (Hacker Rank)
- SQL Certification (Oracle)
- Cybersecurity (CISCO)