

SURYA TEJA NAMMI

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Portfolio

<https://nsurya-0698.github.io/surya-professional-portfolio/>

Summary

Experienced Software Engineer dedicated to creating scalable and dependable applications, deploying them across diverse platforms. With 6+ years of professional expertise, I have refined my Java & Python development skills. Throughout my professional journey, I have consistently delivered strong and efficient code, following industry best practices and coding guidelines. I actively engage in collaborative efforts with interdisciplinary teams to ensure seamless project implementation.

Experience

Software Engineer

Optum - UHG

01/2023 to Current

Minnesota, USA

- Led the development and testing of claim amount calculation microservice using Java Springboot, PostgreSQL, ML Algorithms implemented using TensorFlow, and Agile methodologies, ensuring adherence to high-quality standards.
- Designed and deployed containerized, microservices-based applications as Kubernetes clusters using Docker images, optimizing scalability and operational efficiency.
- Implemented new features aligned with project requirements, leveraging backend development expertise and following software engineering best practices.
- Developed and tested HTTP and GRPC-based RESTful APIs using Golang and Java Spring Boot, ensuring reliability through comprehensive unit and functional testing with tools like Postman and Selenium.
- Automated deployments on AWS EC2 instances using AWS EKS, ECS, Docker and Kubernetes, maintaining artifactory of builds over AWS S3 enabling seamless application hosting and improved system reliability.
- Built and maintained CI/CD pipelines for code integration, testing, and deployment, significantly reducing manual effort and enhancing operational workflows.
- Continuously updated skills and knowledge to integrate emerging technologies and methodologies for product development and optimization.
- Successfully led a team of 5 developers, fostering collaboration and ensuring alignment with project goals.

Software Development Engineer 2

HDFC Bank Limited

05/2019 to 03/2021

Jodhpur, India

- Translated business requirements into technical specifications and collaborated with team members and stakeholders to onboard user assets effectively using Java-based solutions.
- Developed Java APIs utilizing Spring Boot and MongoDB, and deployed them using Azure DevOps and resource groups, ensuring frequent, reliable updates to enhance microservices agility.
- Implemented role-based access control using Spring Security with HTTP Basic authentication and JWT to secure API session management and ensure compliance with data protection standards.
- Developed CI/CD pipelines using Jenkins and Terraform. For deployment issues and merge conflicts, made use of Prometheus and Grafana and implemented rollback procedures to previous versions to ensure high availability during failures.
- Actively participated in code reviews of Java applications, providing detailed feedback to ensure adherence to design patterns, enhance code quality, and improve maintainability, resulting in a significant reduction in code defects.
- Conducted thorough debugging and troubleshooting of software issues, achieving a 15% reduction in critical system defects through effective problem-solving techniques.
- Diagnosed and resolved front-end bugs in applications using JavaScript frameworks like Angular, leveraging tools like Chrome DevTools for debugging.
- Enhanced process automation by integrating Python scripts with ML models for workflow management.
- Implemented database sharding in application, improving performance and scalability for high-traffic scenarios and reducing response time significantly.

Software Developer

Paytm

02/2018 to 04/2019

Remote, India

- Conducted detailed testing and debugging of software applications, reducing critical defects by 20% and improving reliability in transaction processing systems.
- Designed and implemented Java-based applications using MySQL, Spring Boot, Kubernetes, Docker, and Gradle.
- Deployed and managed containerized applications with Kubernetes and Docker, ensuring smooth scalability and seamless deployment.
- Provided efficient resolution of bugs, enhancing system stability and minimizing downtime.
- Collaborated within Agile development environments, participating in sprint planning, backlog grooming, and retrospective meetings to ensure timely delivery of projects.
- Developed optimized data pipelines to handle and process large datasets, reducing data processing times by 30%.
- Utilized Java and big data technologies to design and build high-performance pipelines capable of managing data volumes effectively.

Skills

- Languages:** Java (JDK, JVM), C, Python, SQL, C#, Rust, Git
- Databases:** Oracle 9/10/11g/12c, DB2, NoSQL, MySQL 7.1.9, MongoDB, Cassandra, SQL, RDBMS
- Web Technologies:** HTML5, CSS, JavaScript, AJAX, JSON, Bootstrap, jQuery, XML, Angular 2.0/4/8/9/12/14, React JS with Flux, Redux, .NET, Handlebar JS, Polymer.js, Backbone JS, NodeJS, Express JS, Hapi JS
- Messaging Services:** JMS, Rabbit MQ, IBM MQ, Apache Kafka
- Web Service Frameworks:** JAX-RS, JAX-WS, Apache CXF, Axis, Jersey, SOAP, RESTful, WSDL
- Application/Web Servers:** Apache Tomcat, Oracle Web Logic, IBM Web Sphere, JBoss
- Testing Tools:** Junit, TestNG, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor
- Operating Systems:** Windows, Linux, Unix, MAC
- Project Management Tools:** JIRA, Rally, Microsoft Project, PeopleSoft, GitHub, GitLab
- Cloud Technologies & DevOps:** AWS, Azure Cloud, Azure Functions, Azure DevOps, GCP, Ant, Maven, Gradle, Jenkins, Bamboo, Gulp, Grunt, Webpack, NPM, Bower, Docker, Kubernetes

Education

Master of Science: Computer Science

University of Missouri

2022

Kansas City, MO, USA

GPA: 3.5/4.0

Electrical and Electronics Engineering: Bachelors of Technology

Aditya Engineering College

2019

India

GPA: 3.0/4.0

Certification

- AWS Certified Solutions Architect - Associate