CONTACT

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in **LinkedIn** 💼 **Portfolio**

EDUCATION

Bachelor of Technology in IT

- Jawaharlal Nehru Technology University, India

SKILLS

- **Programming Languages:** Java, PL/SQL, TypeScript
- **Java/J2EE Technologies:** Servlets, JPA, JDBC, JSP, JSTL, JMS, WebSockets
- **Frontend Technologies:** HTML, JavaScript (ES6+), XML, CSS, SCSS, jQuery, Angular, ReactJS, Redux, Bootstrap
- **Frameworks:** Spring (Core, Boot, Security, Cloud, MVC,Data), Hibernate, Microservices Architecture
- **Application/Web Servers:** JBoss, Apache Tomcat, WebSphere, Nginx
- **Operating Systems:** Linux, Windows
- **IDEs & Tools:** Eclipse, IntelliJ IDEA, Visual Studio Code, Postman, Jenkins, Git, GitHub, Bitbucket, SonarQube, JIRA
- **Databases:** MS SQL Server, PostgreSQL, MySQL, Oracle, MongoDB
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Kubernetes, Red Hat OpenShift, Docker, Terraform, Helm
- **Testing & Automation:** JUnit, Mockito, Selenium, Cypress, Cucumber, TestNG
- **CI/CD & Build Tools:** Maven, Gradle, Jenkins, GitHub Actions

VAMSHI KRISHNA VANAM

Java Full Stack Developer

PROFESSIONAL SUMMARY

- Results-driven Java Full Stack Developer with 10+ years of experience in designing, developing, and deploying scalable, high-performance web applications.
- Expert in front-end and back-end technologies, with a strong foundation in Java, Spring Boot, Microservices, Angular/React, and database management.
- Developed and maintained scalable applications using Node.js, improving the performance and efficiency of web services by 30%.
- Proficient in developing RESTful APIs and Microservices using SpringBoot, Hibernate, JPA, and Docker/Kubernetes for containerization and cloud deployments.
- Skilled in front-end technologies, including Angular, React, JavaScript, TypeScript, HTML, CSS, Bootstrap, and Redux, ensuring seamless user experiences.
- Strong understanding of MVC architecture and software development lifecycle (SDLC), following Agile RESTful web services, and DevOps methodologies.
- Hands-on experience with relational (MySQL, PostgreSQL) and NoSQL (MongoDB, Cassandra) databases, optimizing query performance, and ensuring data integrity.
- Well-versed in integrating third-party APIs, authentication mechanisms (OAuth, JWT, LDAP), and cloud services like AWS, and Google Cloud.
- Expertise in CI/CD pipelines using Jenkins, GitHub Actions, Docker, Kubernetes, and monitoring tools such as Prometheus and Grafana.
- A collaborative team player with excellent problem-solving abilities, debugging skills, and a passion for writing clean, maintainable code.
- Strong communication skills with the ability to work in fast-paced environments.
- Committed to continuous learning and staying updated with the latest industry trends to drive innovation and efficiency in software development.

WORK EXPERIENCE

APRIL 2024 TILL DATE

Java Full Stack Developer
M&T Bank, NY

- Designed, developed, tested, and deployed scalable and high-performance applications using Java, Spring Boot and Angular.
- Built and enhanced REST and GraphQL microservices for seamless API integration across GCP cloud-native applications.
- Developed and maintained front-end applications with Angular, TypeScript, Webpack Module Federation, and Tailwind CSS to deliver a rich user experience.
- Implemented event-driven architecture using WebSockets, Server-Sent Events (SSE), and PubSub for real-time data processing.
- Built RESTful APIs with Node.js and Express.js, integrated with various third-party services, enabling smooth data exchange and communication.
- Worked on modern data lakehouse architectures, handling BigQuery, BigTable, Apache Beam, and streaming data pipelines.
- Ensured high availability, security, and scalability by integrating OAuth-based authentication, IAM policies, and multi-tenant architectures within cloud environments.
- Performed performance tuning, debugging, and production support to ensure optimized system functionality and reliability.
- Drove test-driven development (TDD) and behavior-driven development (BDD) methodologies using JUnit, Jest, and other testing frameworks.
- Deployed and managed applications in GCP Kubernetes Engine (GKE) using Terraform, Helm Charts, RESTful web services, and GitOps workflows.
- Developed CI/CD pipelines in Jenkins and GitHub to automate software deployment and delivery processes.
- Implemented microservices architecture using Node.js to improve the scalability, reliability, and maintainability of backend services.
- Collaborated with cross-functional teams, including Data Scientists, DevOps, and Business Analysts, to ensure seamless application integration and data-driven decision-making.
- Followed Agile development methodologies, participating in sprint planning, stand-ups, retrospectives, and code reviews.
- Created comprehensive technical documentation and runbooks to support knowledge sharing and operational efficiency.
- Troubleshot and resolved complex system and data pipeline issues, ensuring uninterrupted service availability.
- Used MongoDB and MySQL databases in Node.js applications, ensuring efficient data retrieval and storage.
- Implemented BI reporting, Observability, alerting, and monitoring dashboards to improve data quality and anomaly detection.

MARCH 2023	**Java Full Stack Developer**
APRIL 2024	Lowe's Retail, NC

- Developed and maintained scalable, high-performance web applications using Java, Spring Boot, Hibernate, and Microservices architecture for enterprise solutions.
- Built dynamic and responsive UI components using Angular, and React.js ensuring a seamless user experience with state management using Redux, or Context API.
- Designed and developed RESTful APIs and GraphQL services for seamless data exchange between frontend and backend applications.
- Implemented authentication and security mechanisms such as OAuth 2.0, JWT, Role-Based Access Control (RBAC), API rate limiting, and OWASP security best practices.
- Optimized application performance and scalability by implementing caching strategies (Redis, Memcached), database indexing, and query optimization.
- Developed microservices-based solutions using Spring Boot, Spring Cloud, and API Gateway to ensure a scalable and modular architecture.
- Integrated messaging and event-driven architecture using Kafka, and RabbitMQ, to handle asynchronous communication efficiently.
- Designed and optimized relational and NoSQL databases, working with PostgreSQL, MySQL, MS SQL Server, MongoDB, and Cassandra for high-performance data storage.

- Deployed applications on cloud platforms such as AWS, using services like EC2, S3, Lambda, RDS, and DynamoDB for cloud-based hosting.
- Automated CI/CD pipelines using Jenkins, GitHub Actions, GitOps, AWS CodePipeline, and Docker, ensuring fast and reliable deployments.
- Developed and managed containerized applications using Docker, Kubernetes, and Helm charts for efficient orchestration and scalability.
- Implemented monitoring and logging solutions using ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, and Grafana to track system health and performance.
- Conducted unit testing and integration testing using JUnit, Mockito, TestNG, Cypress, Selenium, and Cucumber, ensuring high-quality code.
- Followed Agile methodologies (Scrum/Kanban), participating in daily stand-ups, sprint planning, retrospectives, and code reviews.
- Stayed updated with the latest Java, Spring, and frontend technologies, ensuring continuous improvements and modernization of applications.

AUGUST 2018   **Java Developer**
FEBRUARY 2022   Wipro, India

- Developed scalable web applications using Java, Spring Boot, and Angular.
- Designed and implemented user interfaces with HTML5, CSS3, JavaScript, and Angular to enhance user experience.
- Managed server-side logic with Java, Spring Boot, and Hibernate, ensuring efficient database integration.
- Developed and maintained RESTful APIs to facilitate communication between front-end and back-end systems.
- Utilized MySQL and MongoDB for data storage solutions and ensured robust database performance and optimization.
- Employed Git for version control and collaborated with team members through GitHub.
- Implemented unit and integration tests using JUnit and Mockito, diagnosed and fixed bugs to maintain application stability.
- Ensured high code quality by conducting peer code reviews and adhering to coding standards.
- Participated in daily stand-ups, sprint planning, and retrospective meetings to facilitate agile development practices.

JANUARY 2014   **Java Developer**
JULY 2018   infiCare Technologies, India

- Developed and maintained Java-based enterprise applications using Spring MVC and Hibernate during early project phases; transitioned to Spring Boot for microservices architecture in later years.
- Designed and implemented RESTful web services for client-server communication and third-party integration using Spring Web and Jackson.
- Performed back-end development, managing business logic, exception handling, and API design.
- Created and optimized SQL queries, stored procedures, and views in MySQL and PostgreSQL for efficient data retrieval and reporting.
- Contributed to front-end enhancements using HTML5, CSS3, JavaScript, and introduced basic AngularJS components, followed by React usage for newer modules.
- Implemented user authentication and role-based authorization using Spring Security and integrated JWT-based security in later phases.
- Used Git for version control, managing feature branches, performing merges, and resolving conflicts during collaborative development.
- Participated in code reviews, provided feedback, and followed clean code principles and design patterns for maintainability.
- Wrote unit tests using JUnit and Mockito to ensure code coverage and functionality.
- Practiced Agile methodologies (Scrum) with participation in daily stand-ups, sprint planning, and retrospectives.
- Used tools like Postman for API testing and validation and worked on IDE environments such as Eclipse initially and IntelliJ IDEA later for improved productivity.