

Harshitha Mattaparthi

Irving

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SUMMARY

Full Stack Developer with expertise in designing and maintaining web applications using Python, FastAPI, and modern JavaScript frameworks like React. Proven ability in developing scalable RESTful APIs, managing MongoDB databases, and deploying containerized applications with Docker and Kubernetes. Skilled in collaborating with cross-functional teams to deliver reliable and high-quality software solutions.

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, PHP, SQL, JavaScript, HTML, CSS
- **Core Java:** OOP, Collections, Lambda, Streams, Concurrency
- **Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate, Struts, Spring Cloud, FastAPI
- **Frontend:** AngularJS, Angular, React.js, Vue.js, JavaScript Frameworks
- **Web:** JSP, Servlets, REST, WebSockets, HTML5, CSS3, JQuery
- **Databases:** Oracle, MySQL, PostgreSQL, MongoDB, Redis, Cassandra
- **ORM:** Hibernate, JPA
- **Version Control & Build Tools:** Git, Bitbucket, Maven, Gradle, Ant
- **Testing:** JUnit, Mockito, TestNG, TDD
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, DynamoDB), Azure, GCP
- **DevOps:** Jenkins, Docker, Kubernetes, Helm, Ansible, Terraform
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack
- **Operating Systems:** Windows, Linux, macOS
- **Agile & Development Practices:** Scrum, Sprint Planning, Stand-ups, Code Reviews
- **Project Management:** JIRA

EXPERIENCE

Apple

May 2024 - Present

Java Full Stack Developer

Austin, TX

- Developed responsive Single Page Applications (SPA) using ReactJS, Redux, HTML5, CSS3, Bootstrap, and JavaScript to enhance user engagement across devices.
- Engineered reusable functional and class-based React components using ES6 to improve modularity and reusability.
- Monitored state and props in real time with React & Redux Dev Tools, streamlining debugging and boosting application performance.
- Constructed isomorphic responsive web applications for desktop, tablet, and mobile users with ReactJS.
- Designed UI pages using Angular 8 and developed components to support seamless future transitions.
- Implemented front-end interfaces using HTML5, CSS3, SASS, JavaScript, jQuery, Angular, and AJAX.
- Built stable React components and standalone functions to ensure scalable application integration.
- Developed RESTful APIs and microservices using Spring Boot and Spring MVC.
- Deployed Microservices as RESTful Java Web Services on AWS Elastic Beanstalk and PCF.
- Created multiple batch processing jobs using Spring Batch integrated with Spring Boot.
- Enforced authentication and security protocols using Spring Security with pre-auth and database login controls.
- Delivered robust backend modules leveraging AWS Lambda, SNS, and ElastiCache with Redis.
- Engineered serverless APIs using AWS Lambda to support dynamic application requirements.
- Administered AWS services including EC2, VPC, S3, ELB, Glacier, Route 53, CloudTrail, and IAM.
- Configured appropriate AWS services based on compute, storage, and security needs.
- Integrated AWS with external applications and implemented automated provisioning to enhance deployment efficiency.
- Created and managed Docker containers for streamlined application lifecycle management and improved scalability.
- Configured IAM roles, users, and groups for secure authentication and access management in AWS.
- Automated CI/CD pipelines using Jenkins for continuous integration and reliable deployments.
- Ensured high-quality code through comprehensive unit and integration testing with JUnit and TestNG within Jenkins build jobs.

Meijer

Aug 2023 - Apr 2024

Java Developer

Grand Rapids, MI

- Developed microservices with Spring Boot, containerized using Docker, and deployed via Kubernetes to enhance system scalability and reliability.
- Integrated Kafka for messaging and leveraged AWS (DynamoDB, Lambda, EC2) for robust cloud infrastructure.
- Implemented TDD with JUnit/Mockito and BDD with Cucumber via Jenkins CI to improve code quality and reduce bugs.
- Designed REST/GraphQL APIs and incorporated Swagger for documentation, facilitating seamless API consumption and improved developer collaboration.
- Engineered reusable UI components with Angular, implemented lazy loading, and optimized performance to enhance user experience.

- Managed data persistence using Cassandra and OpsCenter for effective monitoring.
- Established CI/CD pipelines using GitLab and performed unit, integration, and UAT testing to ensure software reliability.
- Developed backend services using Java and Scala while building batch jobs with Autosys and Shell scripting to enhance data processing capabilities.
- Created Single Page Applications with React and Redux to optimize frontend responsiveness.
- Utilized Prometheus and Grafana for system monitoring and the ELK Stack for centralized logging, streamlining troubleshooting efforts.
- Collaborated in Agile ceremonies and deployed applications on PCF and Helm while managing infrastructure with Terraform.

DXC Technology

Jun 2021 - Jul 2022

Java Full Stack Developer

Hyderabad

- Built RESTful APIs and microservices using Spring Boot, integrating MongoDB and SQL for effective data management.
- Transformed monolithic applications into scalable microservices to boost system performance and flexibility.
- Utilized React with Styled Components to create responsive, high-performance user interfaces.
- Employed Docker and Kubernetes for containerization and orchestration, accelerating deployment speed and ensuring system reliability.
- Established CI/CD pipelines via Jenkins and implemented secure authentication using OAuth 2.0 and SSL/TLS.
- Monitored system health with Prometheus and Grafana, ensuring optimal performance and early issue detection.
- Implemented ELK for centralized logging, which enhanced error resolution and system reliability.
- Enhanced checkout processes by integrating third-party logistics and payment APIs, resulting in faster transactions and improved customer satisfaction.
- Developed a dynamic pricing engine with Spring Boot to enable flexible pricing strategies and drive increased sales.
- Conducted A/B testing that led to noticeable improvements in user engagement and conversion rates.

Paytm

Nov 2020 - Apr 2021

Java Developer

Bengaluru

- Developed backend modules for telecom billing and customer management systems using Java 8, Spring MVC, and Spring Boot frameworks.
- Created RESTful web services for seamless integration with customer-facing mobile and web applications.
- Collaborated with cross-functional teams in an Agile environment to deliver scalable and maintainable software solutions.
- Engineered responsive UIs using AngularJS, HTML5, CSS3, Bootstrap, and jQuery to improve user experience.
- Implemented RESTful services with robust security measures using IAM and integrated cloud storage with EBS and CloudFront.
- Managed structured and NoSQL databases using RDS/PostgreSQL and DynamoDB to enhance data retrieval efficiency.
- Participated in Agile development cycles by conducting UAT and promptly addressing defects, thereby enhancing software quality.
- Utilized SVN, Maven, and Log4j for version control, build automation, and logging to ensure a smooth development workflow.

EDUCATION

Trine University

Aug 2022 - Mar 2024

Master of Science (M.S), Information Studies

Detroit

- **GPA:** 3.8

GIET

Jun 2017 - Jul 2021

Bachelor of Technology (B.Tech), Computer Science Engineering

India

- **GPA:** 3.1