



MAYUKHA THUMIKI

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SUMMARY

A versatile engineer with 3+ years expertise in Java, Spring Framework and AWS cloud services. Experienced in developing secure APIs, CI/CD pipelines and maintaining robust systems. Graduated with distinction from UT Arlington, presented research at the IEEE Intl. [SCECS 2022](#) on image classification, AWS certified Developer Associate. Eager to tackle challenging roles and solve complex business problems.

EDUCATION

Master of Science, Computer Science – University of Texas at Arlington (Graduated with Distinction, GPA: 4.0)

Relevant Coursework: *Design and Analysis of Algorithms, Database Systems, Web Data Management* (August 2022 - May 2024)

Bachelor of Technology, Computer Science and Engineering – Maulana Azad National Institute of Technology Bhopal

Relevant Coursework: *Advanced Data Structures, Software Engineering, Operating Systems, Cloud Computing and Distributed Systems*

PROFESSIONAL EXPERIENCE

Software Full Stack Developer | OnBlick Inc | Irving, TX

May 2023 - May 2024

- Extensive experience in application design, development, debugging, and implementation, demonstrating analytical and technical skills.
- Implemented microservice architecture with Spring Boot, enhancing scalability and fostering teamwork across development teams.
- Built back-end REST API, SOAP, JAX-RS robust web services, boosted user reviews by 40% with front-end React.js and creativity.
- Utilized Apache Kafka for reliable message streaming between microservices; employed JUnit, Mockito, PowerMockito for unit testing.
- Managed databases with Hibernate, JPA for MySQL, PostgreSQL; used JIRA, Kanban, Atlassian Confluence for project management.
- Developed CI/CD pipelines with Jenkins, Bamboo; utilized Docker, Kubernetes, Groovy, Shell Scripting, AWS for scalable deployments.
- Leveraged Git/GitHub for efficient code management demonstrating adaptability, problem-solving in complex work environments.
- Participant of Agile (Scrum, Kanban, TDD), CI/CD, and automation testing, conducting code reviews and promoting collaboration.

Software Engineer | Cashfree Payments India Pvt. Ltd. | Bangalore, KA, India

May 2020 - July 2022

- Deployed bank integration REST APIs and SOAP APIs using Java, Spring, ensuring secure transactions and 40% efficiency boost.
- Programmed APIs for Revamp Payouts recharge flow using SpringBoot, MVC, and conducted extra verification for 15 high-value cases.
- Executed 100% API unit testing for reliable merchant wallet recharges for 5000+ users employing JUnit, Mockito annotations, Postman.
- Debugged RESTful web services and microservices architecture using Spring Boot, Spring Cloud, managed deployments on Azure, GCP.
- Integrated OAuth2, JWT for authentication and authorization, ensuring compliance with industry standards for secure access control.
- Implemented Test Automation for 80% of the project, leveraging Jenkins and Docker, resulting in a 30% reduction in integration issues.
- Coordinated 10 sprint cycles and 5 retrospective planning and CI/CD sessions in Agile Scrum methodology to cater to customer needs.
- Demonstrated leadership by managing cross-functional team projects, showcasing strong communication and organizational skills.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, AWS Functions, unit/integration/e2e testing.

Student Assistant | Maulana Azad National Institute of Technology | Bhopal, MP, India

July 2019 - April 2020

- Developed 91% accurate end-to-end IDS using GCP, AI, Keras TensorFlow, Machine Learning frameworks, programming languages.
- Collaborated with cross-functional teams to integrate with existing security systems and addressed challenges with optimized solutions.
- Communicated effectively with team members and stakeholders, adapted quickly to new technologies, and managed tasks and deadlines.
- Ensured high-quality, innovative code solutions, and balanced multiple tasks efficiently while interpreting data for informed decisions.
- Documented code, created user manuals, resolved software issues with debugging skills, and stayed updated with industry trends.
- Conducted classes, office hours, group discussions; guided projects, proctored quizzes; ensured fair assessment with timely feedback.
- Boosted performance by 25%, applied design patterns, fostered cross-functional teamwork, implemented risk management strategies.

TECHNICAL SKILLS

Languages: Java, Python, R, Groovy, SQL, C, C++, JavaScript, TypeScript, Ruby, PHP, Go (Golang), Rust, Scala, Kotlin, Perl, Shell Scripting

Frameworks: Struts, JPA, Hibernate, Spring, Spring MVC, Spring Integration, Swing, Applets, JDBC, EJB, Java Mail, JMS, Servlets, JSP, JNDI

Web Services: JAXB, JAXP, JAX-WS, JAX-RS, REST, SOAP, XML, XSD, XSLT, JBoss, IBM WebSphere, WebLogic, Apache Tomcat, Netty, OC4J

Web Technologies: HTML, XML, JavaScript, VB Script, AJAX, jQuery, JSON, AngularJS, Bootstrap, ReactJS, Responsive Web Design (RWD)

Lifecycle: Agile, Continuous Integration, Scrum, Version One, Kanban, STASH, SourceTree, JIRA, Cucumber JS, Mocha, Karma, Postman

IDE Tools: WSAD, IntelliJ, Eclipse, JDeveloper, Spring Tool Suite (STS), WebStorm, Tableau, Excel, Airtable, Power BI, Sybase IQ, Snowflake

RDBMS & Databases: Oracle, IBM DB2, PostgreSQL, MySQL, ElasticSearch Queries, Aggregations, SQL, PL/SQL, MongoDB, Cassandra

Amazon Web Services: C2S, IAM, Lambda, EC2, RDS, CloudFormation, Terraform, S3, SQS, SNS, CloudWatch, CloudTrail, VPC, Redshift

Version Control System: GIT, Bit Bucket, Source Tree, Software Development Life Cycle (SDLC), JIRA, Gradle, Maven, DevOps, Terraform

Other: Hadoop, MapReduce, HBase, Sqoop, PIG, HIVE, HDFS, Apache Kafka, IBM MQ, Active MQ, HTML5, CSS3, Bootstrap, UI/UX

ACADEMIC PROJECT

Fresh Food System Database: Engineered an efficient backend service in Java, optimizing data analysis through big data technologies and complex SQL queries. Demonstrated analytical-thinking, verbal and written communication skills, attention to detail, expertise in ER modeling, Data visualization, GUI integration to streamline product design, decision-making process.