

SWATHI

Software Developer

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PROFESSIONAL SUMMARY

- Over 5+ years of experience in design, development, and deployment of web and client-server applications using Java/J2EE and OOPs principles.
- Proficient in full SDLC including requirement gathering, analysis, coding, testing, integration, and documentation using Agile/SCRUM and Waterfall methodologies.
- Hands-on experience with Core Java concepts: OOPs, Data Structures, Collections, Generics, Multithreading, Exception Handling, Serialization, I/O. Automated repetitive workflows using Python scripts and Unix shell scripting.
- Proven ability to deliver high quality scalable web applications and cloud-based solutions.
- Frontend/UI development using Angular, React.js, Vue.js, JSP, HTML, CSS, JavaScript, and jQuery.
- Worked with relational, NoSQL databases including MySQL, PostgreSQL, SQL Server & MongoDB using ORM frameworks.
- Built and deployed applications using CI/CD pipelines with Jenkins, Docker, Kubernetes, and Azure DevOps.
- Worked on RAG, LLM-based AI/ML solutions using TensorFlow, PyTorch, and Pandas for intelligent automation.

TECHNICAL SKILLS

Programming Languages	Java, , C++, C#, Python, JavaScript, TypeScript, SQL, PySpark, Kotlin, PHP
Frameworks and Libraries	Angular , React , Next.js , Vue.js, Spring boot , Hibernate , Servlets, J2EE, JSP , XML , JSF, jQuery, AJAX, YAML, JSON, JDBC,
Operating System	Windows 10/8.1/7/XP /2000, Linux(ubuntu), MAC OS X
Spring Ecosystem	Spring MVC, Spring Cloud , Spring Data JPA , Spring AOP , Spring AI , Spring Batch
Databases and Messaging	MySQL, PostgreSQL, MariaDB, NoSQL, MongoDB, DynamoDB, Oracle , PL/SQL , MS SQL Server , Kafka , RabbitMQ, Redis
Testing Frameworks	Junit, Mockito, Jasmine, Selenium , Karate , karma
Version Control & tools	JIRA, Jenkins, GitHub , Git , Bitbucket, IntelliJ, VS Code, Jupiter, Eclipse, STS, Google Colab, Postman , Apache Tomcat , SOAP UI , WebSphere, GitHub Copilot , Codeium Cursor , kanban , Splunk
Cloud and Devops	AWS(EC2, ECS, Fargate , API Gateway, S3, Lambda, Redshift, SQS, SNS, CloudWatch, IAM, EKS, EBS, Glue, CloudFront, Autoscaling, Route 53, RDS, VPC) , Azure , GCP , Docker, OpenShift, Jenkins and Kubernetes
Software Development	Microservices, REST APIs, Design Patterns , OOPs , HLD , Test Driven Development(TDD) , Behavior Driven Development(BDD) , Agile , Gen AI , Secure SDLC,
Other	Figma , Adobe XD, Canva , Adobe Experienced Manager(AEM)

PROFESSIONAL EXPERIENCE:

Client: Capital One Financial Corp.

Jan 2024 – Present

Role: Software Developer

- Developed and maintained responsive web applications using **React.js, HTML5, Tailwind CSS3, Bootstrap**, and **TypeScript**.
- Utilized Spring **MVC** framework for building scalable **backend** systems with **Java 21** and managed transactional operations with Spring **Batch** and **multithreading**. Designed and managed **API Gateway** configurations to expose microservices securely.
- Deployed containerized microservices using Docker on **AWS EC2** instances and maintained infrastructure using **AWS Console**.
- Integrated **LLM-based AI** services into backend to automate data classification & enhance user query understanding in real time.
- Designed and developed secure, cloud-native microservices for digital **banking, onboarding**, and **KYC** flows using Java Spring Boot, Spring **Cloud**, **Kafka**, and **MariaDB**, processing 5 million transactions.
- Implemented Apache **Kafka** for real-time, distributed event streaming between microservices, improving scalability, decoupling.
- Leveraged **GitHub Copilot** and **Codeium** to accelerate development cycles through AI assisted code suggestions, increasing coding efficiency and reducing boilerplate code errors.
- **AWS ECS**, and **Lambda** while leveraging **Splunk** and **AWS CloudWatch** for log monitoring, performance tracking, and production support.
- Introduced **gRPC-based communication** across microservices to reduce payload size by **50%** and improve low-latency interactions.
- Participated in CI/CD and GitOps pipelines using **Jenkins, ArgoCD, LaunchDarkly**, Kubernetes, **Docker, AWS ECS**.
- Integrated Adobe Experience Manager (**AEM**) components with **RESTful** services and external **APIs** to deliver dynamic, personalized content and improved content authoring workflows.
- Monitored application performance, system health using **New Relic** and **Datadog**, setting up real-time alerts and dashboards to proactively resolve issues and reduce downtime by 30%.
- Developed GraphQL APIs for client-driven data querying, reducing over-fetching, improving front-end performance by 35%.
- Implemented **SOA-based service integration** with secure APIs and workflow listeners integrated with **Kong API Gateway, OAuth2, JWT**, and **LDAP**, ensuring robust authentication and role-based data access.

- Integrated gRPC-based communication between microservices for low-latency, safe data exchange, reduce payload size by 50%.
- Led architectural discussions, **HLD/LLD** creation, and technical design reviews with cross-functional teams for a microservices ecosystem spanning over **10** services.
- Designed, consumed **SOAP, RESTful** web services to support service-oriented application architecture and system integration.
- Employed **Splunk** to implement searchable components and monitor logs for debugging and performance optimization.
- Utilized **Jira** for sprint planning, backlog grooming, and release management in alignment with **Agile** delivery timelines.

Client: Accenture

Aug 2021 – Dec 2022

Role: Application Development Associate

- Developed responsive and accessible web interfaces using **Angular, HTML5, CSS3, JavaScript, and Bootstrap**, ensuring cross-browser compatibility and optimized user experience for thousands of users.
- Designed, developed, and optimized backend services using **Java 17, Spring Boot and MySQL**, backend frameworks like **Express, Django, or Ruby** on Rails reducing data access latency by **30%** through efficient stored procedures and query optimization.
- Integrated **DynamoDB** for NoSQL use cases and implemented **RESTful APIs** using **Spring Boot** and **Node.js, NPM** improving API response times by **25%** and enabling real-time interactions for course enrollment and user authentication.
- Designed and maintained **data pipelines** for transforming and integrating data across services using Python, SQL, AWS Glue.
- Collaborated with frontend developers to integrate **JavaScript**-based components with backend APIs, enhancing UI responsiveness and platform interactivity by **40%**.
- Deployed and scaled services on **AWS** using **EC2, S3, Lambda, CloudWatch, and DynamoDB**, ensuring **99.9% uptime** and meeting performance SLAs for an e-learning platform serving thousands of users.
- Automated CI/CD pipelines with **Jenkins** and **AWS Code Pipeline**, reducing deployment time by **60%** and ensuring consistent delivery of updates and bug fixes without downtime.
- Conducted unit and integration testing using **JUnit** and **Postman** and implemented **CloudWatch** monitoring to proactively detect and resolve production issues, decreasing incident resolution time by **50%**.
- Maintained clean code and robust documentation using **IntelliJ IDEA, Eclipse, VS Code, Git, and JIRA**, while mentoring peers and promoting industry best practices in **security, DevOps, and cloud-native application development**.

Client: Gainwell Technologies

Jun 2019 – Jul 2021

Role: Software Developer

- Designed and developed scalable **Healthcare** and **Medicaid** eligibility applications using **Vue.js, Angular, Spring Boot**, and **REST/SOAP APIs**, integrating external systems such as **MMIS, EHR**, and payer platforms while ensuring compliance with **HIPAA** and **CMS** standards.
- Built and deployed secure microservices for claims adjudication, eligibility verification, and provider management using **Spring Boot, Spring MVC, Spring Data JPA**, and **PostgreSQL**, with **HL7** and **FHIR** interface integration for real-time data exchange.
- Created reusable, dynamic UI components with **React.js** and **Redux** for improved user experience across member and provider portals; implemented **RBAC** and **OAuth2** for secure authentication and authorization flows.
- Automated deployments using **Docker, Jenkins, and Azure DevOps Pipelines**, enabling continuous integration and delivery CI/CD of cloud-based applications with improved efficiency and reduced downtime.
- Wrote and executed unit, integration, and API tests using **JUnit, Mockito, and Postman**, ensuring data integrity and application reliability in handling **PHI** (Protected Health Information).
- Participated in Agile ceremonies and led modernization of legacy mainframe Medicaid systems to cloud-native **microservices architecture** using **Java, Spring Boot**, and modern **Azure DevOps** best practices.
- Designed, deployed, and managed cloud-native applications using **Microsoft Azure services**, including **Azure App Services, Azure DevOps, Azure Functions, and Azure Blob Storage**, ensuring scalability, security, and high availability.

EDUCATION

University of North Texas, Denton, Texas, USA

Dec 2024

Master of Science in Data Science

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Certified Associate** Developer.
- Programming, **Data Structures** and Algorithms Using **Python** by NPTEL
- Introduction to Artificial Intelligence by **IBM**. AI fundamentals (Demystifying AI, How You Can Use AI) by UNT.
- **Java** for Android by Coursera. **Problem Solving** by **Hacker Rank**.
- **Python** Bootcamp 2019 Build 15 working applications and Games by Udemy.