SHIVANI ROY

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Education

Boston University	**January 2023 – May 2024**
Masters of Science in Software Development	*Boston, Massachusetts*

Relevant Coursework: Data Structures, Software Design, Software Security, Web App Development, Software Engineering

Certifications

AWS Certified Developer – Associate	*Validity: August 2025*

Skills

Languages: Java, SQL, HTML/CSS, CQL, Python, Javascript, Shell Script
Developer Tools: VS Code, Eclipse, IntelliJ IDEA, PyCharm
Technologies/Frameworks: Unix/Linux, Jenkins, Docker, Postman, Jira, ServiceNow, Splunk, Dynatrace, Datadog, Git, Elastic Stack, Amazon Web Services, OpenShift, Teams Foundation Server, PostgreSQL, Cassandra, Angular 5, Node JS, Spring MVC, Spring Boot, Spring Security, Hibernate, Play, RestAPI, Junit, Forgerock, OAuth, Kafka, Tomcat, React, MEAN, MERN, JDBC, Microsoft Active Directory, Sonarqube, Hashicorp Vault, OWASP

Experience

Accenture	Bangalore, Karnataka	**June 2021 – January 2023**
Advanced App Engineering Analyst	

- Maintained and organized customer data, ensuring data integrity, security, and compliance with relevant regulations.
- Rectified a code defect for a US-based hospitality client that was affecting 2k customers daily,and customers were not able to make booking transactions.
- Prevented 2 hours of production outage for client due to data base upgradation by implementing data caching design in micro-services. The implementation was highly acknowledged.
- Controlled deployment processes, ensuring seamless transitions from development to production environments.
- Managed timely renewal of SSL certificates for servers and applications, minimizing down time and enhancing security.

Infosys Limited	Bangalore, Karnataka	**December 2018 – June 2021**
Senior Systems Engineer	

- Integrated SAML and LDAP authentication and created encryption and decryption services for one of the niche products of Infosys, Infosys Polycloud Platform. A major US-based pharmaceutical company later adopted the product.
- Led deployment and Configuration of Infosys Polycloud Platform for a major banking client.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Systems Engineer

- Served for a US Banking Client where I presented and implemented a scalable automation solution to monitor real-time servers' health to prevent any outages and minimized manual work by 80 percent or approx. 50 hours per month.
- Spearheaded an independent initiative to set up Elastic Stack (ELK) for monitoring application and server logs enabling better visualization and faster debugging of any issues or failures.
- Developed Cron jobs to download, process and mail AFS rates daily to respective teams. This reduced human error by 90 percent and cut down manual effort of 30-32 hours per month.
- Created a spring boot application to pull service requests from Service Now on a particular interval for auto-closure.

Projects

WatchDog | *MongoDb, Express, Node, React*	**September 2023**

- Created Entity Relation Diagrams, Configured MongoDb, created database and collections for application.
- Developed backend services and APIs for all operations and integrated with front-end.
- Configured and Maintained docker and git for continuous integration and deployments (CI/CD).

Analysis of Large Language Models | *falcon, llama2, mistral, vicuna, React.js, AWS, Ollama*	**September 2023**

- created EC2 instance for large language models setup
- Deployed falcon, llama2, mistral, and vicuna 33b on AWS using Ollama
- Create User Interface to interact with the models and compare response time for each model using HTML, CSS, React.js

Honors & Awards

Insta Award	Infosys Limited	June 2020
Star of the Month	Accenture	September 2021
Research Assistant	Boston University	June 2023