

ABOUT ME

Dynamic back-end engineer with 5 years of practical experience architecting and scaling cloud-native microservices using Java. Demonstrated success at top-tier firms, now seeking opportunities within elite product-driven companies. Specialized in distributed systems, Azure infrastructure, Kubernetes orchestration, and real-time data pipelines. I am skilled in leading full-cycle delivery, mentoring engineering teams, and enhancing system performance under stringent SLA requirements.

SKILLS

Programming Languages	Java (Proficient), C#, Python, SQL, Shell scripting
Technologies	Microservices, RESTful APIs, Web Services, Spring Boot (REST), Maven, Splunk, Bitbucket, Postman, GitHub, JDBC, Docker, Jenkins Pipelines
Operating Systems	Windows, MacOS, Linux
Databases	SQL Server, MongoDB
Software and Methodologies	DevOps, Git, SDLC, CI/CD, Agile-Scrum, MVC, SLI/SLOs
Testing	JUnit, Selenium

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS – DALLAS, TEXAS

- Master of Science in **Computer Science** 2019 DEC

NATIONAL INSTITUTE OF TECHNOLOGY – SURAT, GUJARAT

- Bachelor of Technology in **Electronics and Communications** 2015 MAY

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER MICROSOFT - ATLANTA 2022 MAY – 2025 APRIL

- I worked as Software Engineering professional on **C#** and **Java** with Azure Firewall team to handle the creation of various Azure Firewall functionalities with Security fundamentals. Analyze risks and compromises, modify and integrate **Firewall Virtual Machines** (for Cloud Native Application). Includes TCP/IP, UDP, ICMP, HTTPS interactions.
- Worked on a new feature addition, **Private IP Destination Network Address Translation** (PDNAT) so that Cx with FWs deployed in same Subnet IPs of two Virtual Networks can communicate securely. First of the kind, only to be followed suit by Palo Alto Networks and AWS
- Been a key player in securing all the virtual machines to use **CBL Mariner** (Microsoft's own OS) rather than Ubuntu's Linux right after the Microsoft Blizzard attack. Had to secure all the CLI coding of the Azure Firewall systems as well. From early product definition to implementation and to rolling out in all phases.
- **Automated** addition of new **Azure cloud resources** for the Cx for the Holiday spike traffic. Along with Aurora testing (Data center is powered off) of these resources which needed to be worked 99.999% of the time.
- Worked on **Grafana dashboards** and **Power BI**, wrote Build Verification Tests which are run periodically for Prod and Post-Prod environments. Worked with **shell scripting** codes for test automation in pipeline. Reduced manual workload by moving manual testing to scheduled period tests.
- Had authored multiple **Wiki documents** for processes which are streamlined. Helped in writing and reviewing multiple team PRs for best coding practices and improved quality of code.
- Contributed to **ORO billing** migration, a new and streamlined way of billing Firewalls along with other Azure resources. Supporting easier and efficient billing by mitigating time leaks.

SOFTWARE DEVELOPER CITI - IRVING 2020 MARCH – 2022 MAY

- Worked on Oracle **Java Spring Boot Services** for Citi Offers Microservice team, responsible for full **SDLC**, coding, enhancement (**JIRA**), maintenance (**SQL** and **Cassandra** servers), testing, deploying features (**Jenkins** with **Pivotal Cloud Foundry**) and improvement for the backend services of RESTful services along with API Integration for Credit Card offers.
- Worked on improving testcases (**JUnit**) with best coding practices (**GitHub**). Oversaw Deployment activity (**CI/CD**) for this microservice every sprint through Release Lifecycle Management (RLM) using Agile Methodology and Scrum Framework.
- Had identified/troubleshoot issues with **Splunk** and **ElasticSearch** for ad hoc requests from Shareholders for the usage details of the Customer Offers for Credit Cards.
- I participated in Analysis and Design of **Architectural changes** and **Design Patterns** whenever required to improve the flow of the service. And responsible for necessary PROD support to check through **POSTMAN**.

.Regularly engage in team code review activities to maintain quality and remove any code vulnerabilities. Have done extensive research and documentation which helped in required backend changes through every sprint cycle

COLLEGE INTERN

CISCO - PALO ALTO

2019 JAN – 2019 MAY

- .Created **Java** interface connection with **MongoDB** and retrieving the hash data so that it can be displayed on the internal website used by CISCO/Tetration Employees as a debugging tool
- .Also added functionalities of group display, clearing and deleting of hash data which can be accessed either with query box placed or URL of the website. Created Web API for deleting action which should be done only through calling APIs with appropriate JSON files along with e2e test cases

APPLICATION DEVELOPER INTERN

GALLUP - OMAHA

2019 MAY - AUG 2019

- .Worked as full stack developer in **.NET Core** on **C#** project which works on **MVC** framework. Also used **JavaScript** and **CSS3** to enhance an internal website for claiming gift cards by employees who complete specified challenges.
- .Worked on **API** calls to complete transactions, making Ajax calls when needed and added create, modify and delete data functionalities for admin along with pagination and disability assistance. Contributed in with debugging, performance profiling and optimization so that users have smooth experience using the site

GRADER

THE UNIVERSITY OF TEXAS AT DALLAS

2017 AUG – 2018 DEC

- .Worked as a grader, mentor to students and responsible for taking substitute classes for the course Discrete Mathematics