

Pooja Kulkarni

MTS Software Engineer at Slack | San Francisco Bay Area

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TECHNICAL SKILLS

Programming languages:	Java, Python, Golang, Javascript, Typescript, Bash, SQL
Tools/frameworks:	Spring Boot, Hibernate, JDBC, Gradle, Git, Jenkins, Apache Airflow, Swagger, Grafana
Data management systems:	PostgreSQL, MySQL, DB2, MongoDB, AWS AuroraDB, Alembic
Web/API development:	HTML, CSS, React, Next.js, Thymeleaf, NodeJS, ExpressJS, GraphQL
Cloud technologies:	Docker, Kubernetes, AWS, Rancher

PROFESSIONAL EXPERIENCE

Salesforce (Slack)

Jun 2023 - Present

MTS Software Engineer

- Architected & executed a project to expose security misconfigurations using Python, GraphQL, Docker, saving ~20 hours of monthly work
- Cross-functionally contributed to a project that automates Jira ticket creation, accelerating the project completion timeline by ~2 weeks
- Helping Slack choose the most optimal vulnerability management solution by spearheading a comprehensive Nessus vs. Wiz security tooling analysis using Python, GraphQL

Motorq

Jan 2023 - May 2023

Software Development Engineer Intern

- Developed a fleet management Salesforce lightning web app using Node.js, to seamlessly integrate it in customers' Salesforce orgs
- Automated bulk aftermarket account creation, saving ~30 minutes per account using Typescript and Azure with Github and Rancher APIs

Salesforce

May 2022 - Aug 2022

Software Engineer Intern

- Built an Apache Airflow Python DAG that extracted ~2.5 million vulnerabilities present in Salesforce's perimeter IP networks
- Persisted these vulnerabilities in AWS AuroraDB and exposed them for remediation via backend APIs using Golang and Swagger
- Went above and beyond by building APIs to disclose vulnerabilities' insights and built Grafana dashboards for extraction metrics

Digital Innovation Group, Arizona State University

Aug 2021 - Feb 2022

Software Developer, Full-stack

- Developed tree-based Javascript algorithms to represent knowledge using network visualizations in CytoscapeJS
- Built REST APIs, allowing users to manage networks and their collections using Java, Maven, Spring MVC, MongoDB and Neo4J
- Improved user experience by enhancing front-end features with HTML, Thymeleaf, CSS, Javascript and Bootstrap

Morgan Stanley

Manager, Software Engineer

Jan 2021 - June 2021

- Designed and developed a high-volume trading application for Tokyo clients using Java, Gradle, Spring Boot, Hibernate, DB2, Python
- Improved performance at peak market hours by ~80% using caching mechanisms and dynamic message queues

Senior Associate, Software Engineer

Jan 2020 - Jan 2021

- Improved trading-related exception management by developing a time-sensitive Java component with Spring Boot, JDBC, DB2
- Increased code coverage by over 80% by extensive JUnit testing using Mockito and integration testing using Spring Testing, H2 DB

Associate, Software Engineer

Jan 2019 - Jan 2020

- Received department-wide recognition for 'Taking Ownership' by renovating a legacy Java component
- Helped automate developer tasks by building DB migration tooling in Bash

Technology Analyst

Aug 2018 - Jan 2019

- Attended the 4-month long Technology Analyst Program (TAP) training conducted annually by Morgan Stanley.

EDUCATION

Ira A. Fulton Schools of Engineering, Arizona State University

Aug 2021 - May 2023

Master's of Science in Computer Science (GPA 3.53/4)

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai

Aug 2014 - May 2018

Bachelor of Engineering in Computer Engineering (GPA 8.7/10)

PROJECTS AND OPEN SOURCE CONTRIBUTIONS

[Poojakulkarni.dev](https://poojakulkarni.dev) - Developing a website to highlight my career, ideas and personal interests using React, Typescript, Material UI, Next.js

[VoxAlert](#) - Built a Discord app to notify about COVID-19 vaccine slots using Python, Typescript, OpenAPIs by Indian Government, with ~1200 users