HARSHA SALIM

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SKILLS AND TOOLS

- Programming languages - Java, Kotlin, C++, C, Python, Solidity, SQL, JavaScript, HTML, CSS, Typescript
- Libraries and Frameworks - Spring Boot, ReactJS, React Native, Flutter, NextJS
- Database configuration and management - PostgreSQL, Hibernate, Flyway, Google Cloud Spanner
- Testing - UI testing using Selenium, Load testing using JMeter
- Cloud - Familiarity with AWS, basic knowledge of Microsoft Azure and Google Cloud Platform
- Other - Auth0, Quartz Scheduler, Retrofit, Kong API Gateway, Github, Docker, Kubernetes, Splunk, Agile
- Interests - Distributed Systems, Databases,, Blockchain Technology
- Soft skills - Excellent written and verbal communication, collaboration, ownership and effective delegation of responsibilities

EDUCATION

University of Southern California   California, USA
Master of Science in Computer Science   August 2024-May 2026
- Relevant subjects - Analysis of Algorithms, Database Systems, Advanced Data Stores, Operating Systems
- Member of SWE(Society of Women Engineers - attended WE'24) and RTC(Rewriting the Code)

Cochin University of Science and Technology   Kerala, India
Bachelor of Technology in Computer Science and Engineering   July 2017-May 2021
- Graduated first class with distinction with a CGPA of 9.27/10 - ranked first from 120 students
- Class representative - managed various operations of a class of 60 students
- Technical Head of Lean In Tech CUSAT chapter and Tech Team Member for TedX CUSAT 2019
- Organized multiple tech community events in Kochi including GDG Cochin 2019, Techcruz Build Day 2019, Pehia Summit 2020
- Scholarship winner and attendee of DrupalCon Global 2020, Carolyn Leighton Scholarship 2021

EXPERIENCE

Alchemy   New York, USA
Software Engineer Intern   May 2025-August 2025
- Developed a portfolio dashboard application that displays NFTs and ERC20 tokens in a Blockchain wallet, which also allows users to filter spam tokens. This was used in 2 forms:
    - As a debugging tool for developers to show related API improvements to stakeholders
    - As part of the Alchemy Demo App for new customers to explore effects of using Alchemy's tools
- Added ERC20 spam detection pipeline which was used to successfully filter out ~90% of spam tokens which enhanced existing token APIs
    - This included extensive research and testing of various heuristics to detect spam, while simultaneously ensuring legitimate tokens did not get classified as spam
    - Scraped data using Selenium from popular block explorers, which had Cloudflare protection that blocked most scraping tools

Thoughtworks   India
Consultant Developer   June 2022-June 2024
- Owned the creation of an API suite for a property exchange firm using a microservice-based architecture leveraging Spring Boot
- Co-led client discussions regarding technical design and set up domain-driven design and versioning strategy for the project
- Implemented scheduler configuration to perform certain tasks asynchronously without any user intervention
- Set up CI/CD pipelines, storage management and other infrastructure including Disaster Recovery using Terraform in AWS
- Configured Kong API Portal using OpenAPI specification to set up an API gateway and provide technical documentation to clients
- Played the role of Security Champion to help amplify the application security message at the team level
- Optimized report generation process in open-source project Appium report generator

Unisys   Bengaluru, India
Associate App Dev Engineer   August 2021-May 2022
- Simultaneously handled three projects of varied responsibilities and delivered them on time successfully
- Performed automated UI testing of a banking application with Selenium using Java - reduced testing duration by 60%
- Performed load testing and automated functional testing of APIs of a banking application
- Business analysis and understanding of various functional aspects and operations within a banking system
- Mentored a new joiner in concepts of UI automation using Selenium, and planned and managed their work in their first project
- Conducted market research on Azure solutions to modernize a legacy investment application and helped create its architecture