Shrikanth Upadhayaya

M.Eng CS Student at Virginia Tech

Experienced grad student looking for internships in backend development. Available May 1 - August 22 '23, graduating Dec '23.

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📍 Blacksburg, VA

in linkedin.com/in/shrikup

○ github.com/shrik450

SKILLS

Java Python

Ruby JavaScript

PostgreSQL MySQL

Elixir F# Rust

INTERESTS

Distributed Systems

Software Architecture

Functional Programming

EDUCATION

Masters of Engineering in Computer Science
Virginia Tech
08/2022 - Present   *Blacksburg, VA*

Courses
□ Network Architecture and Protocols   □ Software Engineering

Bachelors of Technology (4 Years) in Mechanical Engineering
Indian Institute of Technology (BHU)
07/2015 - 05/2019   *Varanasi, India*

WORK EXPERIENCE

Software Development Engineer II
Flipkart
05/2021 - 07/2022   *Bangalore, India*

Achievements/Tasks
□ Backend Engineer in the Retail Engineering Team. Primary stack: Java 8 with Dropwizard for the services with MySQL, ElasticSearch and MongoDB for datastores.
□ Refactored a critical business flow to batch and parallelize it for an overall 20% performance improvement. The refactor also improved testability and coverage, significantly improving confidence in the correctness of the flow.
□ Worked across teams with multiple stakeholders to extract our excel processing functionality into a cross-team feed processing engine, with a goal of increasing performance and reliability. This led to our internal customer facing flows being able to handle 5x as many rows in a feed in the same time.

Software Engineer
BlueSapling Technologies
07/2019 - 05/2021   *Bangalore, India*

Achievements/Tasks
□ Backend Engineer on Distributo, a full business management SaaS for FMCG distributors. Primary stack: Rails with PostgreSQL.
□ Took end to end ownership of many key functions, such as billing, accounting and data export. Delivered several new customer-requested features, such as account reconciliations, report generation and government mandated tax regime changes from gathering requirements through deployment.
□ Headed initiatives to improve code base from "hacky mvp" to "stable monolith": significantly improved test coverage by 20ppt; refactored core logic to be flexible in response to changing requirements; and dug deep into performance tuning to identify bottlenecks and successfully scale to 2x active customers.

LEAP Intern
Fidelity Investments
05/2018 - 07/2018   *Chennai, India*

Achievements/Tasks
□ Full Stack Development Intern. Primary Stack: Java 8 with Spring and Angular 6.