Tasnim Khandakar

tasnxm@gmail.com | tsxnm.github.io | San Francisco Bay Area

objective

I'm a software engineer with 3 years of experience in emerging and mid series startups. I am passionate about enhancing my skills in a world driven by technology and information and contributing to a collaborative environment.

education

University of California, Berkeley, Class of 2019

B.A. Cognitive Science, Computer Science

Select coursework: Data Structures, Computer Architecture, Discrete Math & Probabilty Theory, Multivariable Calculus., Adv.. Linear Algebra, Computer Security, AI, Efficient Algorithms, Database Systems, Data Science, Machine Learning, Internet Arch. & Protocols, Data Visualization, Random Probability & Processes

work

Fieldwire, July 2021 - Present

Software Engineer

• Backend engineer for project management, used Ruby on Rails to build new web API features from scratch within a quarter, debug production service issues across stacks weekly, and maintain production services at scale.

• Experienced in a fast-paced agile environment with challenging OKRs, and aid with hotfixes, releases to production, and technical documentation.

• Maintained end-to-end ownership of all tasks and projects. Wrote automation integration tests and ensured local and staging workflows ran effectively.

• Interviewed dozens of potential candidates for SWE positions for company.

Docker, Inc, June 2019 - May 2020

Software Engineer

• Backend engineer for Docker Trusted Registry, used test automation software to automate over 80% of manual tests with Ginkgo to create monthly shippable builds and patch releases faster.

• Debugged continuous integration errors on Jenkins, and used multi-node Docker clusters to maintain registry and assure cloud agnostic performance.

• Enhanced local testing framework by ensuring Docker clusters can be generated and ran in parallel on MacOS, using scripting languages and Python.

projects

PokerBot, December 2022

Using the Slack API and Bolt SDK for Python, I built a functioning Slack application and bot to help with story estimation during backlog grooming sessions during a work hackathon. Given the story and player names, PokerBot will collect votes and display them with quick digests of the most popular votes.

Transport, November 2018

Implemented a socket that implements a subset of TCP (and other core parts of the protocol) that supports ACK, SYN, & FIN control bits. The socket uses a user space implementation written in Python.

Convolutional Neural Networks & Performance Programming, April 2017

Used convolutional neural nets to identify pictures of cats from hundreds of different inputs. Increased performance by 4x via SIMD instructions, parallel programming, and thread-level parallelism.

skills

Languages: Python, Java, Golang, Ruby

Frameworks: Ruby on Rails, CircleCI, Jenkins, Cypress