Srilokh Karuturi

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Education

The University of Texas at Dallas | B.S Computer Science

Graduation: December 2023

Coursework: Advanced Algorithms and Data Structures, C/C++ Programming (UNIX Environment), Software Engineering **Experience**

IBM | Software Engineering Co-op | Coppell, TX

May 2022 - Present

Client Engineering – Industry Engineering Lab (Telecomm, Media, Entertainment)

- Engineer and showcase TME solutions to clients in areas such as 5G, AI/ML, Edge Computing and Hybrid Cloud via technology demonstrations (both on-site and remote) via workshops, proof-of-concepts, trial deployments, innovation symposia
- Demonstrate knowledge of contemporary programming environments / skills (e.g., Node (MEARN/MEAN), GitHub, MongoDB, Express, Angular, React, Python, TypeScript, REST APIs)
- Demonstrate knowledge of data analytics discipline, including data science, machine learning and data management aspects (e.g., Python (NumPy/Pandas), Apache Spark, TensorFlow, SQL, Object-Relational-Mapping)

BlockTrace August 2021 – August 2022

Software Engineering Consultant | Dallas, TX

- Sole developer of a Containerized Full Stack Web App using React.js, TypeScript, PostgreSQL, Python and RESTful APIs to accomplish the task of "Multi-Blockchain Address Watching/Aggregating/Alerting Asynchronously" at scale
- Demonstrate distinguished presentation and public speaking skills with code reviews, weekly standups, and client demos

Software Engineering Intern | Austin, TX

- Compile 2 Bitcoin Nodes from Source in test-net using Ubuntu VM's for network traffic analysis using Wireshark Bitcoin Protocol
- Create Backend Python Scripts used for blockchain forensic and analytical services requiring data fetching, preparation, manipulation, and interpretation to make data-driven decisions

Dell Technologies | Software Engineering Apprenticeship | Round Rock, TX

Feb 2018

- Assist internal technical specialist team to solve tickets regarding Dell hardware issues
- Selected by Leander ISD out of hundreds of exemplary applicants to receive a work-based experience from Dell

Projects

Profolio | JavaScript, TypeScript, Next.js, React, MongoDB, Vercel, Github OAuth

- Create a custom Pro-folio to showcase experiences, projects, skills in a visualized mind node manner
- Facilitate tracking any library, language and technology used for any item

Taskify | Python, TypeScript, Next.js, React.js, Cron, SQLite, Selenium, Chrome Driver, RESTful APIs, SDKs, GitHub Pages

- Automated custom React task dashboard allowing paired with integration of Todoist, Slack, Notion
- Hosted via On-Premises Private Cloud (Proxmox -> Ubuntu VM Server)

Timely | TypeScript, Next.js, React, Golang, AWS

- Easiest way to schedule meeting times across team members in seconds with no login required

AI/ML Building Identifier | Skills: Apple Vision Library, Create ML, Core ML XCode, S(Casp), Swift

- IOS Application designed to detect specific UTD buildings/areas to facilitate

Skills

Frameworks: Next.js | React | Agile (scrum) | Red Hat OpenShift & Kubernetes

Technologies: Red Hat Ansible | RHEL (Unix/Linux) | IBM Cloud Pak for Data | IBM Visual Edge Suite

Tools: Docker & Podman | Git & GitHub | Vim | PostgreSQL | MongoDB | Rancher | Burp Suite | Wireshark