

# Srilokh Karuturi

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## Education

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

Graduation: December 2023

Coursework: Advanced Algorithms Analysis, Computer Science II (Java), Software Engineering, Linear Algebra

## 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
- Create Production Ready Telco Solutions utilizing contemporary programming skills (e.g., Node (MEARN/MEAN), Git, React, Python, TypeScript, OpenShift, Ansible)
- Leverage knowledge of Machine Learning discipline to scale out explainable production-level churn pipelines (IBM OpenScale, Python (NumPy/Pandas), Apache Spark, TensorFlow, SQL, Object-Relational-Mapping)
- Utilize excellent interpersonal skills for solution demonstrations to clients (T-Mobile, Time Warner)

## BlockTrace

August 2021 – August 2022

Software Engineering Consultant | Dallas, TX

- Sole developer of a Production Application responsible for Multi Blockchain High Volume Address Watching instrumented with Next.js, Confidential API's, BE Python Scripts. (Utilized by IRS)
- Demonstrate distinguished presentation and public speaking skills with code reviews, weekly standups, and client demos

Software Engineering Intern | Austin, TX

- Compile 2 Bitcoin Nodes to conduct Bitcoin Network Traffic Analysis utilizing Wireshark Bitcoin Protocol
- Create Backend Python Scripts used for Blockchain Forensic and Analytical Services requiring data fetching, preparation, manipulation, and interpretation for data-driven decisions

Dell Technologies | Software Engineering Apprenticeship | Round Rock, TX

Feb 2018

- Selected by Leander ISD out of hundreds of exemplary applicants to receive a work-based experience from Dell

## Projects

Microsoft Decentralized Verifiable Credentials | Azure Active Directory, .Net

- Reached out by a Microsoft Senior Product Manager for exemplary performance
- Created an implementation of Microsoft's Decentralized Verifiable Credentials within University's authentication

Blackboard Task Microservice | Golang, Cron, Rod, RESTful APIs

- Automated Web scraping Microservice used for retrieval of any student's Blackboard tasks

Profolio | TypeScript, Next.js, OAuth 2.0

- Full Stack Web App designed to facilitate tracking any library, language and technology used

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

- IOS Application designed to detect specific UTD buildings/areas to facilitate on-campus location mapping

## Skills

Languages: Python | TypeScript | JavaScript | Java | C/C++ | Golang | Bash | SQL | Scala

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

Technologies: Docker | RHEL (Unix/Linux) | IBM Cloud Pak for Data | IBM Visual Edge Suite | Git