MANISH KAKOTI

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Overview

Software Engineer with 2+ years of experience in Backend Development. Looking for opportunities in Backend/Full Stack positions where i shall be responsible in developing and maintaining solutions associated with the organization

Work Experience

Software Engineer, Securezapp(July-2019 - Present), Bengaluru
Skills used: Typescript, AWS serverless, AWS lambda, Dynamodb, ES

- Splitted Monolithic AWS serverless stack to a nested structure with less resource consumption.
- Built a full-fledged search on top of AWS Elasticsearch, with necessary filters for better experience.
- Developed the insights dashboard backend associated with Elasticsearch.
- Developed a Gmail connector on top of serverless to detect PII data shared in emails, also developed insights for it.
- Added test work flows to CI/CD environments to schedule tests on every updation of the stack.Also supported frameworks like Ghost Inspector.

Associate Software Engineer, CGI(June-2017 - May - 2019), Bengaluru
Skills used: Java, ES, network virtualization

- contributed significantly towards the development of Build tool automation..
- Software Defined Networking/ Network function virtualization Project - The project aims to provide a solution dealing with virtualization of network components.
- Built PoC for On premise data processing pulled from Azure Datalake using spark and python

Federation Protocol Engineer, Independent Contractor, Rocket.Chat(Jan-2018 - Sept - 2018), Remote
Skills Used: Typescript, Node.js, intermediate cryptography

Open source code commits : https://github.com/RocketChat/tsmatrixserverlib *,*
https://github.com/RocketChat/Rocket.Chat.Federation/pull/27

- Developed a federation library for Rocket.Chat which can help communicate to different instances of Rocket.Chat distributed geographically.
- Worked on the DAG protocol port from Golang (inspired by Matrix.org) to Typescript.
- Worked on the unit tests for the library
- Developed an alternative solution using libp2p in nodejs

Summer Developer, via Google Summer of Code, Rocket.Chat(Jun - 2017 - Aug - 2017), Remote
Skills Used: Typescript, Node.js, intermediate cryptography

Open source code commits : https://github.com/RocketChat/tsmatrixserverlib *,*
https://github.com/RocketChat/Rocket.Chat.Federation/pull/27

- Commencement of work on Federation Library
- Initial understanding and contribution to get the set up and collaborate with Matrix team to pick up the federation library.
- Initial modules were ported from Golang to Typescript.

Software Engineering and NDT intern, Planys Technologies(Jan - 2017 - May - 2017), Chennai, IIT-Madras Research Park
Skills Used: C++, FFT implementation, GNU plot

- worked mainly on the data communication layer using web sockets for the NDT tool. This includes how the data from the NDT probe gets transferred to the main application and further processing the data.
- Worked on a plotting mechanism for the data processed to be visible graphically to the user.
- Bug fixes on the core signal processing libraries which mostly included FFT algorithm, peak finders, Technofour-configs and filters.

EDUCATIONAL QUALIFICATION

B.tech SRM University (2013-2017) , C.G.P.A - 8.2