SURYA RAMAN

SOFTWARE ENGINEER. DOG OWNER. MOTORCYCLE ENTHUSIAST.

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Skills

Node.js / TypeScript	GoLang	SQL	MongoDB	Kubernetes / Docker	Prometheus / New Relic	Git
Python	Java	Redis	Elasticsearch	AWS / Azure	Systems Design	Nexus

Experience

SDE - 2 | yellow.ai   DEC 2020 - PRESENT, BANGALORE

- Lead the engineering efforts for building and maintaining WhatsApp onpremise **kubernetes** infra
  - **Worked with WhatsApp/Meta** team to understand best ways to **improve messaging throughput**
  - Migrated the entire WhatsApp infrastructure in yellow.ai from **Azure to AWS**
  - Built a proxy to port customers using legacy APIs to newer APIs with **Node.js, MongoDB, and Redis**
  - Setup **prometheus** dashboard and introduced **alerts** for all aspects of the system (**outbound queue size, iops, remaining disk size**); Used **new relic** to understand application level bottlenecks
- Used **new relic** to identify problem areas in a core authentication service; Introduced cache and rewrote legacy code to **reduce latency by 124%**
- Introduced subscription upgrades using **TypeScript** in subscription-service which allowed customers to upgrade their subscriptions, and employees to create non-billable subscriptions for R&D and Pre-Sales
- Introduced **artificat management** with **nexus**, converted an internal monolith library into smaller libraries and **setup read-write-execute roles** for managing them

SDE - 1 | yellow.ai   MARCH 2018 - DEC 2020, BANGALORE

- Introduced admin panel for managing the entire yellow.ai platform using **React, Ant Design, and Typescript**
- **Implemented Generic OAuth 2.0** for the yellow.ai platform with PKCE support
- Introduced **email crawler in Python** and an **puppeteer service** for converting html/url to pdf/image
- Improved chatbot load time by optimizing code, lazy loading assets, client-side caching which **reduced page load time from 6 seconds to 1.2 seconds**

OTHER RESPONSIBILITIES

- Instrumental in bringing the first enterprise client to **accelerate the growth plan by one year**
- Conducted DSA and system design interviews for hiring other developers
- Managed a team for 4 when promoted to SDE-2
- Instrumental in bringing the first enterprise client to accelerate the growth plan of the company by one year
  - Implemented various platform features for the account until Series A

BI Developer | Visual BI Solutions   MAY 2017 - MARCH 2018, CHENNAI

- Integrated Business Intelligence tools for the product **BI Hub** such as Microsoft Power BI, SAP Business Objects, SQL Server Reporting Services, and TIBCO Spotfire using **Python, Flask, Gunicorn, Java, and Grizzly**

Education

Computer Science and Engineering | Anna University   AUGUST 2013 - MAY 2017, CHENNAI

- Implemented Capstone Project on "BLE Tracking System" using Arduino, NRL24L01, Android, and Firebase
- Chief Operating Officer at Entrepreneur Cell and won the "National Entrepreneur Fest" conducted among all the universities in India
- Right Midfielder / Right Back in the University association football team