

Abhishek Sah

SOFTWARE ENGINEER · PRODUCT ENGINEER

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Work Experience

Gojek

Bengaluru, India

DATA ENGINEERING, PRODUCT ENGINEER

July 2019 - Present

- Designed, developed and maintained Alerting and Observability service using Influx Data TICK stack to handle self serve alerts on any data pipelines created within the company. Integrated the service in the central data platform to provide immense self serve alerting capabilities.
- Matured above mentioned service to serve alerting over real-time Anomaly detection pipelines defined over business-critical metrics.
- Designed, developed and open sourced alert management service *Siren*, providing self serve alerting on top of Cortexmetrics, with out of the box support for templates on Prometheus rules.
- Built overall service architecture to visualize uptime of ~30 batch and stream processing clusters.
- Designed and developed overall service architecture to provide visualizations over alerts triggered on various data pipeline jobs using NodeJS, HapiJS and ReactJS. Handled throughput of alerts from ~3000 deployments across VMs and Kube clusters with zero downtime throughout.
- Provisioned easily manageable cloud infrastructures(GCP) utilising IaC(Infrastructure as Code) tools like Chef and Terraform.

Gojek

Bengaluru, India

PRODUCT ENGINEER INTERNSHIP

May 2018 - July 2018

- Developed a real-time data visualization application targeted for Android and iOS devices to show critical business metrics of the GOJEK app, seeding the data from an influx DB sink of various stream processing jobs.
- Built the mobile client applications on React Native and Web Server in Ruby on Rails and deployed in Kubernetes cluster.

Education

Indian Institute of Technology, Jodhpur

Jodhpur, India

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

June 2015 - Apr. 2019

Lead Placements and Internship Cell for CSE Batch of 2019 and 2020. Served as Assistant Coordinator Programming Club, Student Gymkhana

Projects

IIT Jodhpur

Bengaluru, India

ACADEMIC AND *SPONSORED

Jan. 2017 - Apr. 2019

- **Opensent:** Implemented financial smart contracts into a DApp using blockchain where the government is one of the stakeholders in any transaction between two parties. Built on the Ethereum platform with Node.js & web3js, this app enables the government to impose required legal constraints on crypto transactions.
- **Freyja:** Built a provisioner to handle a large amount of data and process it online, automating Lambda architecture's setup on local nodes (master slave architecture) and storing results in database post-processing. Used Apache Hadoop to delegate Batch Processing load and Apache Storm for stream processing load on the Ubuntu machines worker nodes using shell scripts.
- **Text-to-Image:** Developed an application to process a natural language scenery description (involving basic geometric shapes) and draw an image corresponding to that scene. Handled various complexities of natural language in this domain with different algorithms with Python NLTK.
- **Office of Student Placements Website, IITJ:** Developed a website for the Placement Cell to manage all placement related activities for the year 2017-18. Designed & developed the system architecture, user interface and infrastructure with Node.js, Express.js, MySQL & Bootstrap 4 to assist ~500 students in getting a seamless experience..

Achievements

- 2017 **Team Rank 105**, ACM ICPC Regionals
- 2017 **Runner Up**, Microsoft Code.Fun.Do Online Hackathon
- 2015 **Rank 7463**, IIT JEE Advanced

Kolkata, India

Jodhpur, India

India

Programming Skills

LANGUAGES, FRAMEWORKS & APPLICATIONS

- Golang, NodeJS, Ruby on Rails, Java
- Postgres, MongoDB
- HapiJS, ExpressJS, ReactJS

DEVOPS TOOLS

- Docker, Kubernetes, Chef, Terraform, GCP, Cortexmetrics, Prometheus, Influx Data Stack