Naman Balaji

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EDUCATION

Manipal University Jaipur　　　　　　　　　　　　　　　　　　　　　　　　Jaipur, India
Bachelor of Technology in Computer Science and Engineering　　　　　　　　　*Aug. 2018 – May 2022*
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object Oriented Design, Software Engineering

TECHNICAL SKILLS

Languages: Java, Golang, Python, C, JavaScript, HTML/CSS
Frameworks: Node.js, React, Flask
Database : PostgreSQL, MongoDB, MySQL
Developer Tools: Git, Docker, AWS, Kubernetes, Terraform

EXPERIENCE

Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　March 2021 – June 2021
Argonaut (YC-S21)　　　　　　　　　　　　　　　　　　　　　　　　*Sunnyvale, CA(Remote)*

- Developed a backend service using Golang, Kubernetes and PostgreSQL for a fully managed PaaS that lets users automate DevOps and manage resources within AWS
- Architected and developed a solution that allows creation and deletion of cloud resources like cluster, nodegroups, S3 buckets, etc with a single click by making use of Terraform and Kubernetes Jobs
- Developed features like automated deployments and app installs by leveraging Kube client SDK and Helm SDK
- Wrote concurrent code for time intensive tasks like resource creation and got execution time down by 80%

Software Developer Intern　　　　　　　　　　　　　　　　　　October 2020 – December 2020
Quickwork Technologies　　　　　　　　　　　　　　　　　　　　　　　　*Mumbai, IN(Remote)*

- Used Node.js and JavaScript to develop REST APIs for a SaaS platform that provides users with workflow automation
- Developed features that allow the users to create automation journeys using pre-integrated apps and include flow control
- Developed callable webhooks that check for events to trigger workflows

PROJECTS

Mise | *Golang*　　　　　　　　　　　　　　　　　　　　　　　　　　　　　GitHub

- Developed an in-memory key-value caching server that runs on top of HTTP
- Added support for data structures like arrays, linked lists, trees and sorted sets. Implemented most of the common features and added options for persistance of data

Blockchain based Certificate Validation | *Node.js, React, Solidity, MongoDB*　　　　GitHub

- Developed an app that utilized blockchain tech to solve the problem of certificate forgery
- Organizations can issue certificates to the candidates, that can be shared with employers who can verify them

Football Win Predictor | *Python, scikit-learn, pandas*　　　　　　　　　　　　　GitHub

- Developed ML models that can predict the winner of a football fixture
- Engineered match data into usable form. Used algorithms like Random forest, logistic regression and SVM.

Animad | *Node.js, React, MongoDB*　　　　　　　　　　　　　　　　　　　Website

- Developed a web-app for streaming anime that scrapes data and video URLs from different websites
- Developed a companion app where users can sign up and create tracker lists.

OTHER INFORMATION

Languages: English, Hindi
Hobbies: Football, Anime, Martial Arts