

PAVAN RAMACHANDRA RAO

Software Engineer

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EXPERIENCE

Backend Engineer (Cloud Storage)

Tata Consultancy Services | April 2020 - Present

- Developed Kubernetes control plane services (controllers) for the VPC File Storage feature of IBM Cloud.
- Designed and implemented a script for concurrent stress testing of the File feature (using goroutines), and to detect storage object leaks in the zonal Kubernetes cluster.
- Designed and implemented tooling (shell scripts) for setup of developer virtual environments improving setup times by ~25%, helping all developers in the global team.
- Part of the team that implemented security hardening of the storage control plane Kubernetes services.
- Contributed to the team developer reference material and on-boarding documentation, helping ~90% of new developers in the team.
- Led a team of 4 as part of the larger SOC2 auditing compliance efforts for zonal IBM Cloud Storage (personally handled ~50% of the tickets).

Full Stack Developer

Tata Consultancy Services | July 2019 - March 2020

- Owned end to end design and development of 10 major user flows in an electrical outage monitoring system using Angular and Java (Spring).
- Contributed to enhancement of existing flows addressing critical performance issues and application bugs improving performance by ~40% (reduced load times).
- Setup initial front end code-base for complete product including reusable Angular components and containers, routing, authentication, as well as various global helpers.
- Created new secure REST API endpoints for existing application logic using Spring along with Swagger API documentation.

Web Developer (Intern)

Higin Esports | December 2018 - May 2019

- Designed UI wireframes and prototypes for the product's admin panel and landing page in Adobe XD.
- Owned and implemented key front end flows (landing page, auth) for the initial MVP using Express (Node.js).

SKILLS

Primary - Golang, JavaScript (ES6)

Cloud - Docker, Kubernetes

Web / UI - HTML, CSS3, Angular, Figma

Database - MySQL, MongoDB

Version Control - Git (+ GitHub)

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science and Engineering

SJB Institute of Technology | 2015 - 2019 | 8.22 GPA

Find me online - pavanpej.com | linkedin.com/in/pavanpej | github.com/pavanpej