Jayanth Kumar

portfolio.com | jayanthkumar1903@gmail.com | +91 9493214526 | Github | Linkedin

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD
Bachelor of Engineering (Hons.) Computer Science
August 2019 - May 2023 | Kerala, India

EXPERIENCE

ARISTA NETWORKS INC. | Software Engineer
Jan 2023 – Present | Bengaluru, Karnataka

- Developed a **real-time monitoring system for web servers** and **cloud infrastructure** to track system health, including server usage, **network interruptions** and optimize web application performance, such as tracking per-process utilization and **preventing memory leaks**.
- Improved the performance and reliability of **Microsoft Azure's network** infrastructure by optimizing the configuration and **deployment of Arista's cloud** networking solutions. As a result, **Azure achieved a 99.99% uptime SLA** and **reduced network latency by up to 60%**, providing millions of users with a **more seamless and responsive cloud experience**, leading to increased customer satisfaction and loyalty.
- My Tech Stack includes **C++, Perforce, Python**

TEXAS INSTRUMENTS INC. | Application Developer
May 2022 – July 2022 | Bengaluru, Karnataka

- Worked on developing a **Finance Application** from scratch directly poignant to **6 million customers** from **10+ countries** and the Finance Team of TI.
- With totally **different countries having different requirements** and financial rules, I even have tackled down each one them by **interacting in business conferences and with potential customers**.
- My Tech Stack includes **React, PostgreSQL, GraphQL, Hasura, Spring Boot**

TVS MOTOR CORP | Full Stack Developer
Aug 2020 – Nov 2020 | Hosur, Tamil Nadu

- Developed a **real-time dashboard** using **Flask, React, and PostgreSQL**, integrated with **deep learning and camera modules** to visualize and examine workflow processes for motorcycle fragments, **reducing assembly line errors by 25%** and **increasing productivity by 15%**.
- Engineered an employee interface using **Django, React, and SQL** to **supervise industrial machinery, resulting in a 20% decrease in machine downtime** and a **30% increase in overall efficiency**.
- Led a team of interns to work on a **sensitive backend**, ensuring seamless operation of critical systems with a **99.99% uptime** and **zero critical errors reported over the past year**.

SURVEY BUDDY | Frontend Developer
Jan 2021 – Mar 2021 | Virtual, India

- Developed a **real-time framework for encoding survey responses**, enabling users to sort, filter, and search survey data and assign a common codeword to multiple responses. This allowed for the **creation of high-quality datasets from survey data for further analysis**.
- My Tech Stack includes, **Twilio API** for messaging, **Google Authentication**, **sockets** for real-time updates, **MongoDB** for data storage, **Amazon S3** for file storage, and **ExpressJS, NodeJS**, and **React** for web application development.

SKILLS

FRONTEND
• ReactJS • Redux • Thymeleaf • Flutter
BACKEND
• NodeJS • Django • Flask • Spring Boot
BLOCKCHAIN
• EVM • Solidity • Web3.js • IPFS
DATABASES
• MongoDB • PostgresSql • Firestore
CLOUD:
• AWS • Google Cloud • Microsoft Azure
DEVOPS:
• Docker • Jenkins • Kubernetes
DEPLOYMENTS
• Heroku • AWS •Firebase

AWARDS

Vision & AI Technology Hackathon **Rank 1**
IGDC Game Dev Hackathon **Rank 2**
Hackverse 4.0 **HealthCare Rank 1**
Inter IIT Tech Meet **Rank 11**
Smart India Hackathon **Finalist**

TRAVEL & CONFERENCE GRANTS

2023 India Game Developers Conference
2023 Kanpur, Inter IIT Tech Meet 4.0
2022 Vision & AI Technology Industry 4.0 Summit
2022 Smart India Hackathon Finals

PROJECTS

REALTIME E-COMMERCE WEBSITE
• Built on Realtime Firestore, GAuth, Redux, Material UI and payment Gateway is carried out using Stripe API.

USER-AUTHENTICATION BUILD
• The User Authentication App demonstrates proficiency in building a secure and scalable web application using ReactJS, NodeJS, ExpressJS, and MySQL.

INVENTORY MANAGEMENT SYSTEM
• Efficient way to monitor and maintain stocked products, reduce inventory errors, and streamline ordering and restocking processes for businesses of all sizes.