

Sudeep Pirangi

Senior Full-Stack Developer • Master of Technology (JNTU Hyd)

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Professional Summary

Detail-oriented and highly skilled Software Developer with over 9 years of experience in full-stack development & cloud computing, now stepping into the AI/ML world to be an AI Engineer.

Proficient in multiple frameworks, with a strong focus on building scalable and maintainable solutions, collaborating with cross-functional teams to deliver quality software products on time.

Core Competencies

- Programming Languages: JavaScript / TypeScript, Python.
- Frameworks: React, Node, Express.js, Angular 9+, Vue.js (beginner).
- Databases: DynamoDB, MongoDB, PostgreSQL, SQL.
- Cloud Services: AWS (Serverless), Azure (AuthN-AuthZ, Marketplace integration).
- DevOps: Gitlab CI/CD, Docker, Jenkins.
- Software Development: Agile, Scrum, BDD, Waterfall.
- Other Skills: Git, Kafka, Redis, Microservices, GraphQL, RESTful APIs, Web Sockets, Unit Testing (Jest, Mocha, Chai, Enzyme), HTML, CSS, D3.js, NVD3.js, Crossfilter.js.
- Artificial Intelligence: Agentic AI & Workflows, Data Science (upskilling)

Professional Experience

Senior Lead Software Engineer

Virtusa Consulting Services – Hyderabad, India

Jul 2024 – Present

- Lead, developed, and deployed an Order-To-Cash application in VIAX, which has multiple upstream-downstream systems that handle different stages of an order processing.
- It is built with an event-driven architecture where VIAX acts as both producer and consumer while communicating with various vendor systems.
- Collaborated with cross-functional teams, including product managers, architects, DevOps & QA, to deliver solutions aligned with business goals.
- Integrated GraphQL, Elasticsearch to improve the performance and reduce time constraints on lambdas, and Kafka for message transfers while processing orders.

Key Technologies: TypeScript, Node.js, AWS Lambdas, GraphQL, Kafka, Elasticsearch, Kibana, Grafana, Conductor, Mocha, Chai, Sinon.js.

Senior Software Engineer

Passport Labs (Passport Parking) – Hyderabad, India

Aug 2022 – Mar 2024

- Built and maintained a mini e-commerce and back-office applications, achieving high scalability and security to over 800+ clients with sensitive private data.
- Optimized codebase using linting, dynamic imports, indexing, code splitting, elastic searching, custom npm libraries, which reduced technical debt by 40-45%.
- Participated in code reviews and mentored junior developers on best practices and coding standards.
- Designed and implemented microservices architecture for back-office/admin application, leading to reduced infrastructure cost and increased maintainability.

Key Technologies: JavaScript, React, Node.js Microservices, AWS Serverless framework, S3, SNS, SQS, DynamoDB, Lambdas, ECS, React Query, Jest, Enzyme, Elasticsearch, Auth0.

Senior Software Engineer

Unify Technologies (Cloud4C) - Hyderabad, India

Mar 2021 – Aug 2022

- Built a Unified Cloud Platform which is a single stop to manage all the cloud resources of each client and its dashboard that monitors the resources, usage and billing.
- Automated the process of configuring and managing the Virtual Machines of clients by integrating the third-party APIs provided by respective cloud providers.
- Took ownership of a client mentored their dev team on building a SAAS application and publishing it on Azure Marketplace.
- Significantly reduced the cost to the clients with automation of the cloud resources and a dashboard to review their utilization from time to time.

Key Technologies: JavaScript, TypeScript, React, Node.js, Kafka, Redis, Redis Queue, MongoDB, PostgreSQL, AWS, Azure and GCP API integration.

IT Analyst

Tata Consultancy Services - Hyderabad, India

Nov 2015 – Mar 2021

- Lead a team of developers who were responsible for migrating the legacy monolithic apps to latest digital technologies like React, Angular and Node.js with cloud integration.
- Optimized the performance of the migrated apps by efficient bundling, caching, database indexing, unit testing, CI/CD setup for streamlining the integration and deployment.
- Responsible for building and maintaining responsive user interfaces for multiple B2C applications by following WCAG guidelines and improvised user experience.
- Reduced maintenance and patching costs by migrating apps to modern SPAs and Microservices, Cloud deployment and Active Directory integration.

Key Technologies: JavaScript, React, Angular, TypeScript, Node.js, Azure AD, HTML, CSS, JQuery.

Recent Projects

1. Author Services Order To Cash (Virtusa)

Description: When any author wants to publish an article in a Journal, they would approach the client who is a publisher. ASOTC handles the incoming quotes & orders from upstream, process pricing, discounts & affiliations, and update in Viax. Viax remains as the single source of truth for all the transactions related to article publishing.

Technologies Used: TypeScript, Node.js, AWS Lambdas, GraphQL, Kafka, ElasticSearch, Kibana, Grafana, Conductor, Mocha, Chai, Sinon.js.

2. Parking Permits & Reservations (Passport Labs)

Description: These products are utilized by 800+ US cities & towns to make parking management hassle free for its citizens. Using these products, the authorized vehicle owners would be able to purchase permits and also reserve some parking spots through their mobile & web app and also make payments through this Platform provided by Passport.

Technologies Used: JavaScript, React, Node.js Microservices, AWS Serverless framework, S3, SNS, SQS, DynamoDB, Lambdas, ECS, React Query, Jest, Enzyme, ElasticSearch, Auth0.

3. UCP - Unified Cloud Platform & SHOP - Self Healing Operating Procedures (Cloud4C)

Description: Cloud4C and CtrlS, who were totally into Cloud computing and data center provisioning provides a common automated platform for the clients to handle all their cloud resources on single platform. They would also be able to monitor their health, utilization, costs on the dashboard provided within. It also allows them to spin up, restart, shutdown and many more operations directly from this platform with a few button clicks powered by automations.

Technologies Used: JavaScript, TypeScript, React, Node.js, Kafka, Redis, Redis Queue, MongoDB, PostgreSQL, AWS, Azure and GCP API integration.

4. Multiple others (Tata Consultancy Services)

Description: Worked on multiple other projects during 5+ years of tenure at TCS. These range from designing and building back-office/admin apps, Customer facing apps, Automation of standard jobs, Migration of legacy apps to MEAN, MERN stack, Adobe Experience Manager, etc.

Technologies Used: JavaScript, React, Angular, TypeScript, Node.js, Azure AD, HTML, CSS, JQuery.

Education

Master of Technology (MTech) in Software Engineering

School of Information Technology – JNTU Campus, Hyderabad

Sep 2013 - Sep 2015

Bachelor of Technology (BTech) in Computer Sciences & Engineering

SS Institute of Technology – Dundigal, Hyderabad

Oct 2008 - May 2012