Vishal **Tank**

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ABOUT

Senior software engineer with experience of around 3.5+ years in developing and enhancing existing and new systems, including both client and server-side development. Willing to direct teams and work hands-on in designing system architectures and develop the solutions using cutting-edge technologies.

EXPERIENCE

Solvative (Oct 2020 - Present)
- Responsible for client-communication and requirements gathering for the projects.
- Leading a team of developers achieving the best possible solutions for client problems.
- Managing highly available and highly scalable infrastructures.
- Used multiple AWS services to migrate some features of the backend to AWS.
- Implemented TICK Stack for monitoring and visualizing data of production servers.
- Utilized Docker and Shell scripts for project deployments on bare-metal and cloud servers.
- Worked with Asterisk (Calling service), XMPP (Messaging service).
- Gaining more experience in DevOps (System Architectures, CI/CD, Kubernetes, Linux etc.)

Volansys (Aug 2019 – Oct 2020)
- Designed and developed multiple Web + IoT related features in projects.
- Collaborated with Embedded and Android teams to design solutions of various problems.
- Worked on frontend technologies like React.js and Angular.
- Worked on many AWS Services and worked with Docker for containerizing applications.
- Utilized Socket connections using socket.io for real-time data streaming.

Kevit Technologies (Mar 2019 – June 2019)
- Worked on a framework to create Chatbots and integrating them to social media platforms.
- Learned JavaScript, TypeScript, Node.js, MongoDB and Microsoft Bot Framework.
- Third-party API integrations in the project, like Google and Facebook APIs.
- Knowledge of writing test-cases for Unit testing of backend APIs.
- Designed, developed and deployed backend solutions for other different projects.

SKILLS

Backend: Node.js, Express.js, Sails.js, MongoDB, Mongoose, PostgreSQL
Frontend: React.js (Intermediate), Angular (Intermediate)
DevOps: AWS, GitLab CI/CD, Shell Scripting, Nginx, Docker
Testing: Unit Testing, Chai, Mocha
Languages: JavaScript, TypeScript, C/C++, Golang (Beginner), Python (Beginner)
Other: Algorithm & Data Structures, System Architecture Design, Microservices

PROJECTS

Pictionary
Tech Stack: Node.js, TypeScript, Socket.io, MongoDB, React.js
It's an online Pictionary game. People can create and join Rooms that has functionality of real-time group chat and drawing, round wise turns, score keeping and much more.

Node-boilerplate
Tech Stack: Node.js, JavaScript
It is a full-proof production-ready bootstrap/boilerplate project for Node.js backend application with MongoDB as the database along with full docker containerization functionality and pm2 production-ready deployment strategies.

NoteUp
Tech Stack: Android, Java
NoteUp is a simple note taking android application, an is an easy way to keep track of your Important notes that you have to keep in your phone from where you can fetch it anytime and get reminded about it in a simple and elegant way!

Chatbot Framework
Tech Stack: Node.js, TypeScript, Socket.io, MongoDB, React.js
My main contribution in this project was to create Backend APIs and performing unit tests on them for a Framework which lets users create chatbots as they need without having any technical knowledge.

Airplane Cabin Crew System
Tech Stack: Node.js, JavaScript, MongoDB, Angular
The project was a UI enabled cabin control system for cabin crew inside an airplane. The goal was to help the airplane cabin crew easily manage passenger requests and manage all relevant announcements, communications etc. wirelessly using IoT technology.

Nurse Care System
Tech Stack: Node.js, JavaScript, MongoDB, Docker, Shell Scripting, AWS, React.js
This project is a nurse care system that provides a full-proof healthcare system in a hospital. We provide a local server to the hospital and all the staff and patients have ways to connect to each other. Patients can call any of the staff members easily in case of emergency using our system.

Dairy Farms Control System
Tech Stack: Node.js, JavaScript, MongoDB, InfluxDB, AWS, React.js
This project is a dairy-farm control system in which we provide a touch-based control panel for controlling the functions of a milk tank and an admin panel for monitoring the tanks remotely.

EDUCATION

B.E. in Computer Science,
Gujarat Technological University (2015-2019)