VIGNESH K S

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Professional Summary

- Over 6 years of experience as a Software Developer, specializing in developing and enhancing logical functions to build efficient systems. Adept at managing multiple tasks and thriving in high-pressure, fast-paced environments.
- Proficient in Node.js, React.js, JavaScript, TypeScript, PHP, MongoDB and PostgreSQL
- Solid understanding of Docker, Kubernetes, and Amazon Web Services (AWS).
- Strong analytical and logical skills with the ability to analyze and interpret code effectively.
- Deep understanding of Object-Oriented Programming (OOPS) concepts.
- Proven track record of delivering efficient code, resolving critical bugs promptly, and ensuring high system reliability.
- Experienced in developing non-blocking I/O web applications using Node.js and MongoDB.
- Extensive knowledge of Microcontrollers and various IoT technologies, including embedded Linux, Modbus protocol stack, Wi-Fi, BLE, ZigBee, LoRa, and MQTT.
- Skilled in Agile methodology and GIT workflows.

Skills

- **Technologies**: Express.JS, Nest.JS, Amazon Web Services (EC2, S3, EKS, SES, Code Commit, Code Pipeline, Code Build), Docker and Kubernetes
- **Database**: MongoDB (5 Years), PostgreSQL(3 Years)
- **Versioning**: GIT.
- **IDE**: Visual Studio Code.
- **Others**: Postman, Swagger

Professional Experience

Software Engineer,   🗓 September 2021 – Now   📍 Chennai, Tamil Nadu
Iorta technology solutions Pvt Ltd.

Extended Warranty Claims
- Implemented approval processes and finance-related APIs.
- Integrated communication via email and SMS.
- Developed XML and SOAP-based APIs.
- Implemented user authentication and workload-based algorithms.
- Technology used: NodeJS, NestJS, MongoDB, PostgreSQL.

Travel and Personal Accident Claims
- Integrated communication via email and SMS.
- Developed APIs for payment management and finance.
- Implemented claim creation and auditing processes.
- Managed master's implementation.
- Technology used: NodeJS, ExpressJS, MongoDB, PostgreSQL.

Home Claims
- Led adoption of Nest.js for enhanced team collaboration.
- Optimized software architecture for improved performance and scalability.
- Technology used: NodeJS, ExpressJS, MongoDB, PostgreSQL.

Junior Software Developer   🗓 May 2018 – August 2021   📍 Madurai, Tamil Nadu
Fourbends Pvt Ltd.
Power Management System
- Developed IoT-based monitoring system for energy consumption.
- Integrated RS485 Modbus protocol for data synchronization.
- Implemented GSM/GPRS, Wi-Fi for connectivity enhancement.
- Designed SD card-based log storage system.
- Configured alerting module with PHP and Elasticsearch.

Desktop PMS
- Enhanced Power Management System into a desktop Windows application.
- Designed compact two-layered PCB board.
- Migrated architecture from PHP to Node.js and React.js.
- Developed using Inno Setup and Electron.js.

EDUCATION

Bachelor Of Engineering
KLN College of engineering - May 2018
Domain: Electronics and Communication **Percentage: 65%**

Diploma in Electronics and Communication Engineering
K.L. Nagaswamy memorial polytechnic collage - May 2015
Domain: Electronics and Communication **Percentage: 84%**