Ghanithan Subramani
IT Specialist Officer - Lead Fullstack Engineer

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Solution-oriented and result-driven Lead Fullstack Engineer with a wide spectrum of professional experience spread over 11+ years. Adept at motivating self and the team. Passionate about building software with a keen eye for performance, modularity and user experience.

WORK EXPERIENCE

Lead Fullstack Engineer
United India Insurance Company Ltd
01/2020 - Present
Achievements

- Created an Offline first Progressive Web App for premium calculator using Svelte + Vite + PouchDB + workbox in frontend & GO (Fiber) + CouchDB in Backend
- Built an internal Document Management System using GO (Gin) and mongoDB
- Managed Cross functional teams to deliver a holistic solution for Digilocker integration, claims reporting solution for banks and debugging critical issues.
- Created a phonetic name comparison algorithm (and also REST API) for Indian Names in the likes of Soundex.

Risk Underwriter
United India Insurance Company Ltd
11/2016 - 12/2019
Achievements

- Was inducted as a Fellow of Insurance Institute of India with distinction in Actuary.

Senior Software Engineer
Bosch Global Software Technologies
09/2014 - 09/2016
Achievements

- Implemented Injection over CAN for Diesel Truck ECU.
- Package responsible for Hardware Encapsulation layer

Sr. Design and Development Engineer
HandsOn Technologies
04/20213- 08/2014
Achievements

- Created libraries for communication protocols like CAN, I2C , SPI , UART.
- Written firmware for product based on ARM Cortex-M0.
- Was involved in complete product development cycle from requirement analysis till testing of the product.
- Designed 10+ PCBs during my tenure which are still in use today.

Software Engineer
Bosch Global Software Technologies
06/20211- 03/2013
Achievements

- Implemented device drivers for sensors.
- Contributed in resource optimization and involved in solving two major bugs in the product.

Education

Bachelor's in Electronics and communication
Kumaraguru College of Technology
06/2007 - 04/2011

Technical Skills

Languages
C, C++, Java, GO, Javascript, HTML, CSS, PHP, Python, Perl

DBMS
Oracle 12c, MySQL, mongoDB, CouchDB, PouchDB, Panda

Technologies
REST API, PWA, LAMP, MERN, JAM Stack, Microservices,JSP

Frameworks
Svelte, ExpressJS, Fiber, Gin, JQuery, Apache Cordova

Tools
Figma, 11ty, gradle, vite, git, Swagger API, PlantUML, Postman, Eclipse, Toad

Cloud based Tech
GCP, AWS - configure and deploy web apps

SDLC
V - Model, Agile methodology, Waterfall Model

Product Development
SW - Requirement Preparation, Requiremet Analysis, HLD, LLD, coding and testing
UI/UX- Requirement analysis, UX research & Surveys, Building Lo-fi wireframes, Hi-fi designs and Interactive prototypes using Figma

Soft Skills

`Teamwork` `Communication` `Self-Learning`

`People Management` `Problem-Solving` `Mentoring`

Certifications

- Google Cloud Essentials & Create and manage cloud resources
- Foundations of UX design (from Google)
- Agile Foundations
- Fellow of Insurance Institute of India (Reg: FE93778)

Projects

- Interactive console mp3player written in C++
- PDFReplicator used to create millions of PDFs from a template and a data source, built in JAVA
- Intelligent Traffic Control System using Zigbee Mesh
- Integrated Brake and Turn Indication System (1st prize in HW section in VISION '10 - Anna University)