MUKHIL PADMANABHAN

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Lead Full Stack Developer

Focused, innovative Software Engineer with 8+ years of proven experience and expertise responsible for developing software solutions by studying information needs, conferring with users, studying systems flow, data usage, and work processes, investigating problem areas, and following the software development lifecycle. Demonstrates expertise by

determining operational feasibility through evaluation analysis, problem definition, requirements, solution development, and proposed solutions. Accomplishes measurable results by streamlining processes, creating and developing documentation, flowcharts, layouts, diagrams, charts, code comments, and clear clean code utilizing strong interpersonal and organizational skills that provide solution-oriented outcomes in fast-paced, dynamic environments. Influences without authority, leads by example, provides world class customer service, and always exceeds expectations. Has unlimited growth potential.

TECHNICAL SKILLS

HTML | CSS | TypeScript |React | NestJS | MongoDB | Node.js | JavaScript | Git | Python | Docker | Flutter | GraphQL | Unit Testing | SQL | Golang | Angular 2 | AWS Serverless | Cypress

PROFESSIONAL OVERVIEW

**LEAD FULLSTACK DEVELOPER**

SNB GROUP UK – Remote [ March 2023 – Present ]

* Led the development of TypeScript-based web applications using React for front-end and NestJS/Node.js for back-end, enhancing modularity and performance.
* Architected and implemented scalable NestJS APIs, improving system performance and reducing latency by 20%.
* Utilized React and TypeScript to build responsive and accessible user interfaces, ensuring cross-platform compatibility.
* Mentored junior developers on best practices for JavaScript, TypeScript, React, and Node.js, fostering a collaborative learning environment.
* Established comprehensive unit and integration testing strategies using Cypress and Jest, resulting in a 40% reduction in post-launch issues.
* Enhanced API performance by optimizing Node.js server-side logic and database queries, reducing response times by 25%.

**FREELANCER**

HOPSCOTCH – Remote [ November 2022 – February 2023 ]

* Successfully managed a team of 13 and effectively handled all aspects of business requirements, documentation, and implementation plans.
* Developed and maintained key features of a React and Node.js application, ensuring the smooth execution of business logic using TypeScript.

● Took ownership of creating technical specifications documentation based on client requirements.

● Led the team through successful releases and maintained proper documentation using Change Management documents and COEs in response to production issues.

● Actively participated in the hiring and interviewing of team resources.

● Accomplished end-to-end delivery of a module, including FIGMA design analysis, API coding, testing, and deployment.

**SOFTWARE DEVELOPMENT ENGINEER III**

FABRIC, INC. – Bengaluru, India [ December 2021 – October 2022 ]

* Facilitated design and development of custom library components in React used across all applications within the organization.
* Wrote unit tests and snapshot tests to increase the overall code coverage within the application.
* Led a team of 5 handling the UI development of three major applications under the organization.
* Resourcefully obtained requirements from stakeholders, design discussions with the UX team, API walk-through with the Back-end team, creating appropriate JIRA tickets and segregating Tasks to the team. Improved unit test coverage from 20% to well above 80% across all applications along with feature development. Contributed to R&D work related to automating Performance testing using Google Lighthouse and Puppeteer, Cypress Testing and Data-dog integration [ Dashboard creation, Synthetic monitors ]
* Provided resolution to customer issues at the earliest and monitored the data-dog dashboard in order to observe any FCP, LCP or FID spikes and the traffic which were further logged in the confluence to look for a pattern and diagnose.
* Initiated the documentation of feature development by introducing a Tech Design document.
* Oversaw for the release of each of the applications and contributed to documentation of Change Management for each release, Release notes, Root Cause Analysis (RCA) and Correction of Error (COE) Documentation if any.
* Initiated E2E testing with the team using Cypress by setting up a utility library with basic actions.
* Played the role of a Scrum Master to in order to ensure all the tickets were appropriately distributed among the team, cross team communication, blocker resolutions and achieve sprint goals.
* Conducted webinars on AWS serverless architecture involving API Gateway, AWS SNS, AWS SQS, AWS SES, Lambda, Dynamo DB, Cloudfront and S3.

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**TECHNICAL LEAD**

ACUBETECH SOLUTIONS – Bengaluru, India [ March 2017 - December 2021 ]

* Coded Individual Programs/Modules and published a private NPM package for a custom grid.
* Migrated Front-end code base from Angular 2 to React 16 and assisted in designing a micro-frontend architecture to run both Angular 2 and React in the same application.
* Implemented micro-frontend architecture using React and Node.js, reducing development time for new features.
* Designed and developed RESTful APIs using Node.js, improving API performance by 30%.
* Decreased monthly error rates (from 2.4% to 1.1%).
* Developed customized reports to maximize client commissions increasing commission revenue by 20% for the Billing System.
* Led a team of 4 in developing a fully responsive Test-driven MERN stack application from scratch in 4 months.
* Migrated codebase from React to Flutter and made the application available across all platforms.
* Integrated Unity games into Flutter application and containerized both Flutter and Unity apps.
* Composed Docker files and shell scripts for deployment through Putty.
* Was responsible for creating a micros service with serverless architecture involving API Gateway , SNS, SQS and Lambda for SMS services.
* Worked in Go lang to integrate a Content Management System (CMS) and deliver it through HubSpot.

**SOFTWARE ENGINEER**

RASKAN CONSULTING – Hyderabad, India [ May 2017 – March 2018 ]

● Designed and built REST APIs, and database schemas.

● Built and maintained robust, quality code with reliable automated tests.

● Resolved Technical issues of customer concerns responding promptly to the issues.

● Worked on Roles and Permissions, library (Mongodb, GraphQL, React/Redux, Node) and performance enhancement and code tuning.

**FIRMWARE ENGINEER**

NARA TECHNOLOGIES PVT LTD – Bangalore, India January 2016 – December 2016

* Designed circuits using Diptrace and created a prototype of the PCB and mounted components.
* Managed the procurement of all electronic components.
* Coded in Embedded C and dumped code into PIC microprocessors using Pic-kit.
* Worked on various sensors and modules such as GSM, ultrasonic sensor, IR, ESP-8266

EDUCATION & CREDENTIALS

Post Graduation, General Management – INDIAN INSTITUTE OF MANAGEMENT, TRICHY, INDIA Bachelor of Engineering – VISVESVARAYA TECHNOLOGY UNIVERSITY, BANGALORE, INDIA