MAULIK SOMPURA

SENIOR SOFTWARE ENGINEER

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PROFILE

Results-oriented Software Engineer with 7+ years in web development, specializing in scalable backend (Node.js: Express, GraphQL, Nest.js) and responsive frontend (React: Next.js, Vite). Skilled in optimizing databases (MongoDB, DynamoDB, MySQL, Redis) and improving API response times by 30%. Led projects enhancing system scalability by 50% with monolithic and microservices architectures. Deployed AWS applications with 99.9% uptime, optimizing cloud costs. Passionate about solving complex challenges, driving innovation, and delivering impactful software solutions.

EXPERIENCE

Oct 2021 - NOW

Codemonk

Senior Software Engineer

- Led monolithic to microservices migration, improving scalability and performance.
- Managed complex data analysis and implemented PDF generation from scratch.
- Contributed to RhythmUI, a React-based UI framework, enhancing component usability.
- Developed a Jira-integrated web widget for internal quality assurance.
- Worked on GenAI, LLAMA, RAG and GPT APIs

Expertise: React, TypeScript, Node.js, GraphQL, DynamoDB, MySQL, PostgreSQL, Redis, WebSocket, Generative AI

Notable Projects:

Codemonk Intelligence (Nest.js, Python, Langchain, LLAMA, RAG, Minio, GPT)
- Developed a GenAI-powered file management app, allowing users to upload documents and chat with an AI assistant.
- Built Langchain service on Node.js and Python for RAG implementation.
- Integrated Minio file server for efficient storage and retrieval.

Arré Voice (Node.js, GraphQL, Docker, Redis, DynamoDB, AWS ECS)
- Built a short-audio platform for women, supporting 1 Lakh+ MAU and 10 Thousands+ DAU.
- Migrated from monolithic to microservices for enhanced scalability.
- Implemented AWS CDK-based IaC for microservices deployment.
- Led a team of 2-4 backend developers and integrated a distributed database system to handle high traffic.

BugSnap (React, Node.js (Nest.js), Docker, PostgreSQL)
- Developed a browser extension to simplify Jira ticket creation with screenshots and screen recordings.
- Integrated Jira REST API with OAuth and Basic Auth.
- Managed end-to-end development, including frontend and backend.

RhythmUI (React, Storybook, Kitchensink)
- Contributed to a React component library to streamline UI development.
- Updated File Uploader component for better performance.
- Improved Eject script to support new component structures.
- Resolved build-time warnings and errors to optimize stability.

Jan 2019 - Oct 2021

Pardy Panda Studios

Web Developer

- Designed and implemented authentication systems, REST APIs, dynamic websites, admin panels, and responsive UIs.
- Worked extensively with third-party integrations, including Stripe, Cloudinary, and AWS services.
- Developed and managed full-stack applications with robust backend and scalable frontend solutions.

Expertise: Firebase, Node.js, React, Vue, MySQL, MongoDB, AWS Amplify, AWS S3, Stripe, Cloudinary, CodeIgniter (PHP)

Notable Projects:
Shashi - Future of Hospitality (Node.js, Express.js, MongoDB, React, Bootstrap)
- Developed a hotel management app enabling users to control their stay via smartphone, from check-in to in-room controls.
- Managed backend tech stack using Node.js, Express.js, MongoDB, and Firebase.
- Integrated multiple third-party APIs for reservations, payments, and room controls, including Infor, Stripe, FreedomPay, Assa Abloy, and Ruckus.
- Built an admin panel using React and Bootstrap to dynamically update app content and manage reservations.
- Developed a website identical to the mobile app for a seamless experience.

Tugo: Meal Preps Simplified (React, Bootstrap, Firebase Authentication, CodeIgniter, MySQL)
- Developed a meal delivery app for users in the UAE.
- Implemented user authentication and authorization with Firebase Authentication.
- Built a provider portal in React for managing meal deliveries.
- Integrated an admin panel to view transactions and update app data dynamically.
- Developed REST APIs in CodeIgniter and chose MySQL for transactional performance and concurrency.

Oct 2018 - Jan 2019

eQuest Solutions

PHP Developer

- Developed web applications using PHP with CodeIgniter and Laravel.
- Focused on feature implementation, ensuring seamless user experience.
- Optimized application performance for efficiency and scalability.
- Ensured robust functionality with well-structured backend development.

Expertise: PHP, CodeIgniter, Laravel

Oct 2018 - Jan 2019

Helimp Softomation

Software Programmer

- Developed an ERP system for PCB manufacturing, integrating multiple modules like CRM, Product, BOM, Sales, Purchase, Inventory, and Shipping.
- Built REST APIs using Phalcon PHP (one of the fastest PHP frameworks) with MySQL for efficient data handling.
- Managed the frontend with AngularJS, designing complex UI and logic for inventory, sales, and purchase calculations.
- Created a custom wkhtmltopdf extension for enhanced PDF generation.
- Developed a cross-platform desktop application using Electron and Angular.
- Built a WPF application with C# and ElasticSearch for efficient data management.

Expertise: Phalcon PHP, Angular 2, Electron, WPF (C#), ElasticSearch

Notable Projects
ERP System for PCB Manufacturing (Phalcon PHP, AngularJS, Bootstrap, MySQL)
- Developed a custom ERP system interconnecting modules such as CRM, Product, BOM, Sales, Purchase, Inventory, and Shipping.
- Designed and implemented complex logic for BOM calculations and inventory tracking.
- Created REST APIs in Phalcon PHP for high-speed backend operations.
- Managed frontend development using AngularJS and Bootstrap.

EDUCATION

2013 - 2017
GEC, Bhavnagar

Bachelor of Computer Engineering

SKILLS

- Typescript
- Nestjs
- Docker

- Javascript
- Nextjs
- Automation

- Nodejs
- MongoDB
- AWS

- Reactjs
- MySQL
- Redis

LANGUAGES

- English
- Hindi
- Gujarati

HOBBIES

- Photograpy
- Fiction Books
- Movies

REFERENCES

Available on request