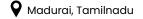
SIVAKUMAR E



JUNIOR DEVELOPER | MERN STACK DEVELOPER

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Profile Website

(in) <u>LinkedIn Profile</u>

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SUMMARY

Full Stack (MERN) Developer with 2 years of experience building scalable applications and APIs. Proficient in backend systems including database design, authentication, performance optimization, and real-time features, as well as frontend development with responsive UIs and smooth API integrations. Experienced in delivering end-to-end project modules, collaborating with cross-functional teams, and contributing across the full software development lifecycle.

TECHNICAL SKILLS

- Programming Languages: JavaScript, TypeScript, Python (basic)
- Backend Technologies: Node.js, Express.js, PHP, Flask(Python)
- Database: MongoDB, MySQL, MSSQL, Graph Database (Neo4j)
- Authentication and Security: JWT, Firebase authentication, Google & Facebook SSO (Passport JS)
- Frontend Technologies: React.Js, HTML, CSS, Tailwind CSS
- Tools: Git, Swagger, Sequelize, Cheerio, Puppeteer

PROFESSIONAL EXPERIENCE



Junior Developer | <u>ByteCompass LLP</u> Madurai, India | Jun 2023 - Present

Key Responsibilities:

- Designed and developed RESTful APIs using Node.js to support high-performance, scalable web applications.
- Built and maintained relational (MySQL) and NoSQL (MongoDB) databases, optimizing queries and data models for efficiency.
- Implemented secure authentication, authorization and session management using JWT and Express middleware.
- Integrated RESTful APIs with React-based frontend applications. Developed responsive and reusable UI components using React and Tailwind CSS to support scalable full-stack applications.
- Collaborated with cross-functional teams including frontend developers, DevOps and QA to deliver end-toend features. Applied agile methodologies and followed version control using Git.

KEY PROJECTS

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- Built a full-stack collaboration platform for brands, creators, and influencers, enabling campaign management, team collaboration, payments, and social networking.
- On the backend, developed RESTful APIs, designed optimized MongoDB schemas, implemented vector
 embeddings for contextual search, and integrated a graph database for managing relationships
 (likes, follows, memberships).
- On the frontend, created **responsive UIs** with **React**, using **Redux** & **React Query** for efficient state and data handling.

Environment: Node.JS, TypeScript, MongoDB (with Vector search), Graph DB (Neo4J), Firebase Auth(Gmail, Google & Facebook SSO); React, Tailwind CSS, Redux, React Query, Azure blob storage

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- Built an Al-driven webpage generation platform that creates sites from predefined templates or by scraping real-world websites with Puppeteer & Cheerio, converting them into editable HTML/CSS/JS.
- Designed collaborative workspaces with role-based permissions, integrated Google SSO (Passport.js) for secure access.
- Added Al-assisted content updates, automated deployment to Netlify, and Nodemailer workflows for invitations

Environment: Node JS, MongoDB, Passport.js (Google SSO), Puppeteer, Cheerio, Nodemailer, AWS S3, OpenAI.

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- Developed a backend system for multi-branch food & hotel management, centralizing order management, stock control, procurement, waste tracking, and sales.
- Implemented role-based access for admins, managers, workers, and keepers, with branch-level permissions and validation of all product movements.
- Integrated AWS S3 (signed URLs) for secure media handling and designed workflows for inter-branch transfers, approvals, and procurement lifecycles.

Environment: Node JS, TypeScript, Express JS, MongoDB, Firebase, Swagger, AWS S3, Microservices.

</> RAPIDLOOPS:

- Developed scalable APIs for logistics and data management, covering shipment tracking, status updates, and order management.
- Implemented Sequelize (MySQL ORM) for efficient querying and designed a scalable, high-performance system to handle large logistics datasets.

Environment: Node JS, Express JS, Sequelize.

</> CPT Code Scraper:

- Built a Node.js-based tool that integrates Python & OpenAI OCR to scrape CPT codes from websites, PDFs, and images with validation for accuracy.
- Automated conversion of unstructured data into structured MSSQL datasets, enabling efficient querying. And implemented CRON Job for automated scraping at a given interval for get regular updates.

Environment: Node.JS, TypeScript, Python, MSSQL, OpenAl.



Digital Associate - Amazon Development centre India Pvt. Ltd.

Chennai, India | Oct 2021 - Aug 2022

Key Responsibilities:

- Performed high-quality data annotation, labeling, and validation to train and optimize machine learning models.
- Ensured content accuracy and compliance with Amazon's quality standards through detailed analysis and content moderation.
- Collaborated with product and QA teams to identify process gaps, report anomalies, and improve data pipeline efficiency.

EDUCATION



B.Sc. Information Technology

GPA:9.2

The American College, Madurai | 2018 - 2021