SIVAKUMAR E

JUNIOR DEVELOPER | MERN STACK DEVELOPER

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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 | **ByteCompass LLP**
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-to-end features.** Applied **agile methodologies** and followed version control using **Git**.

KEY PROJECTS

</> **Mela**

- 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

</> KLAE

- Built an **AI-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 **AI-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.

</> ATVARA

- 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, OpenAI.

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