


SUMMARY

Backend Developer with **2 years of experience** building scalable **server-side applications** using **Node.js, MySQL, and MongoDB**. Successfully contributed to **5+ projects**, delivering **performance-optimized RESTful APIs and backend services**. Designed and maintained **database schemas, implemented secure authentication/authorization and reduced API response time** through efficient **query optimization**. Proficient in **debugging, code refactoring, and collaborating with cross-functional teams** to meet **product goals**. While **primarily focused on backend development**, I have working knowledge of **React** and can contribute with frontend tasks when needed. Adaptable and comfortable contributing across the full **software development lifecycle**.


- TECHNICAL SKILLS
- **Programming Languages:** JavaScript, TypeScript
 - **Backend Technologies:** Node.js, Express.js, PHP
 - **Database :** MongoDB, MySQL, MSSQL
 - **Authentication and Security:** JWT, Firebase authentication, Google SSO (Passport JS)
 - **Frontend Technologies:** HTML, CSS, React
 - **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**.
- Collaborated with cross-functional teams including **frontend developers, DevOps and QA** to deliver **end-to-end features**. Applied **agile methodologies, performed code reviews**, and followed version control using **Git**.

KEY PROJECTS



CPT Code Scraper:

- Developed a **robust web scraping tool** using **Python and OpenAI OCR** to extract CPT codes from **websites, PDFs and images**.
- Implemented **data validation logic** to ensure **accuracy and consistency** of scraped medical code data.
- Automated the extraction and transformation of **unstructured data into a structured format** for analysis and storage. Stored **validated datasets in MSSQL, enabling efficient querying and integration** into healthcare systems.

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

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- Built a **webpage generation platform** that allows users to create pages using **predefined templates or by scraping real-world websites**.
- Implemented **dynamic content extraction and template rendering** using **Node.js and Cheerio**.
- **Integrated deployment automation** for seamless publishing to **Netlify**, **streamlining the user experience**.
- Focused on **scalability, user customization, and efficient content** reuse to accelerate **webpage development**.

Environment: Node JS, MongoDB, Passport JS, Python, Puppeteer, Cheerio, Nodemailer, OpenAI.

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- Developed APIs for handling **hotel operations like bookings and user management**, ensuring seamless data exchange across the system.
- **Implemented secure user authentication and role-based access** to **control permissions and ensure data security**. Created **custom middleware** for **logging, error handling, and request transformation**.
- **Documented the API** for easy **integration and understanding by developers**, enhancing usability.

Environment: Node JS, TypeScript, Express JS, MongoDB, Firebase, Swagger.

</> RAPIDLOOPS:

- Developed APIs to **manage logistics data, enabling efficient tracking and management of shipments, inventory, and deliveries**.
- **Utilized Sequelize (MySQL ORM)** to handle **database operations, ensuring efficient data querying, retrieval, and storage**.
- Designed and implemented endpoints for various logistics functionalities such as **shipment tracking, status updates, and order management**. Focused on ensuring the system is **scalable and reliable** for **handling large amounts of logistics data while maintaining high performance**.


Environment: Node JS, Express JS, Sequelize.

 **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
