

MURUGANANTHAM B

Full Stack Developer

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SUMMARY

Skilled Full-Stack Developer with 2 years of experience in building dynamic and user-friendly web applications. Proficient in JavaScript, React, Node.js, and MongoDB, with expertise in developing scalable frontend and backend solutions. Strong problem-solving abilities and a passion for optimizing performance and user experience. Adept at deploying applications on Linux servers and collaborating closely with clients to deliver high-quality digital solutions.

EXPERIENCE

Application Support Engineer

Melmaruvathur Adhiparasakthi Institute of Medical Sciences & Research

📅 01/2023 - Present 📍 Melmaruvathur, Tamil Nadu, India

Full-Stack Development (In-House Solutions)

- Designed and developed **scalable, high-performance web applications** using **React, Node.js, and MongoDB**.
- Improved API speed by **30%**, optimizing **system efficiency, response time, and resource utilization**.
- Engineered **secure authentication & access control mechanisms**, ensuring **data integrity and user protection**.
- Automated workflows with **custom dashboards**, boosting productivity and **simplifying complex operations**.
- Implemented **real-time data processing** and optimized database queries for **faster data retrieval and analysis**.
- Integrated **third-party APIs and microservices**, enhancing functionality and **scalability of applications**.

Mobile App Development (Flutter Projects)

- Developed and launched **high-performance Flutter apps**, enhancing user engagement.
- Integrated robust backend services**, ensuring seamless functionality and data flow.
- Resolved performance bottlenecks, boosting **app speed, stability, and efficiency**.
- Assisted in **publishing, updating, and maintaining** apps on the Play Store.

Third-Party HIS & Dental HIS Support

- Delivered top-tier technical support and issue resolution for HIS applications (Fitsys, Backbone), optimizing performance and uptime.
- Integrated HIS with hospital systems, ensuring **seamless data flow**.
- Fixed **critical system errors**, minimizing downtime and disruptions.
- Collaborated with vendors to **enhance and customize HIS functionalities**.

Lab LIS Integration & Configuration

- Seamlessly integrated** LIS with HIS, enabling **automated and error-free** test result processing.
- Configured LIS for **precise machine-to-system** communication, optimizing efficiency.
- Automated **data transfer workflows**, reducing manual errors and improving accuracy.
- Conducted **comprehensive system testing & troubleshooting**, ensuring seamless operations.

KEY ACHIEVEMENTS

- Enhanced Application Performance**
Optimized React frontend and Node.js backend, reducing page load times by **40%** and improving API response speed by **30%**.
- Client-Centric Development**
Collaborated with clients to develop **efficient, user-friendly solutions**, optimizing workflows and enhancing **user engagement**.
- Successful Project Deployment**
Deployed a pathology project and an eCommerce website on an Ubuntu Linux server, ensuring **seamless uptime and database efficiency**.

SKILLS

React.js	Node.js	MongoDB	
REST API	Express.js	JavaScript	
JWT Authentication	OAuth		
JSON Token	Redux	React Router	
Docker	AWS	Netlify	Render
Linux server Management			
Windows Terminal	Flutter (Dart)		
Firebase	MySQL	MSSQL	
Postman	Nodemailer	Git	GitHub
HTML5	CSS	Tailwind CSS	
Boostrap	Canva	Photoshop	
Premier Pro	Powershell	Nodemon	
npm			

CERTIFICATION

Full Stack Development Course with AI Tools

📅 GUVI Geek Networks, IITM Research Park

ReactJS

📅 GUVI Geek Networks, IITM Research Park

Node.js

📅 GUVI Geek Networks, IITM Research Park

Redux

📅 GUVI Geek Networks, IITM Research Park

Database

📅 GUVI Geek Networks, IITM Research Park

Advanced JS

📅 GUVI Geek Networks, IITM Research Park

JS Basics

📅 GUVI Geek Networks, IITM Research Park

HTML, CSS, Tailwind CSS

📅 GUVI Geek Networks, IITM Research Park

ADDITIONAL EXPERIENCE

BLISS Website

Melmaruvathur Adhiparasakthi Institute of Medical Sciences & Research

📅 12/2023 - 12/2023 📍 Melmaruvathur

- Developed a website using **JavaScript, HTML, CSS**, and integrated **Nodemailer** for automated email functionality.
- Enhanced **form handling and email notifications**, improving user interaction.

Movie Search Website

GUVI Geek Networks

📅 11/2023 - 11/2023 📍 Chennai, India

- Built a **real-time movie search platform** using shared APIs for seamless data retrieval and display.
- Implemented **dynamic search and filtering**, ensuring a smooth user experience.

Income Calculator site

GUVI Geek Networks

📅 10/2023 - 10/2023 📍 Chennai, India

- Designed an **interactive income calculator** using **HTML, JavaScript, and CSS** for accurate financial estimations.
- Optimized **UI/UX for better input validation** and improved user engagement.

Ask me Identity site

GUVI Geek Networks

📅 09/2023 - 09/2023 📍 Location

- Developed a **modern identity verification UI** using **Tailwind CSS, HTML, and CSS** for a sleek and responsive design.
- Improved **layout responsiveness**, ensuring a seamless experience across devices.

Travel Landing Page

GUVI Geek Networks

📅 08/2023 - 08/2023 📍 Location

- Created an **engaging landing page** with **HTML & CSS**, focusing on a user-friendly interface.

PROJECTS

Pathology Lab Managment System

📅 01/2025 - 01/2025 📍 Melmaruvathur

Full Stack Developer

- Developed a **scalable and efficient** pathology lab management system using **MERN stack**.
- Integrated **automated report generation** and **secure patient data management**.
- Enhanced **real-time tracking** of lab tests, improving workflow efficiency by **40%**.
- Implemented **role-based access control** to ensure **data security & HIPAA compliance**.
- Deployed system on a **cloud-based server**, ensuring **99.9% uptime** and accessibility.

Flight Booking System

📅 11/2024 - 11/2024 📍 Guvi

Full Stack Developer

- Developed a **fully functional flight booking system** using **MERN stack**.
- Integrated **real-time flight availability**, allowing users to search and book tickets seamlessly.
- Implemented **secure user authentication and payment gateway** for a hassle-free booking experience.
- Optimized **database queries and API performance**, reducing response time by **35%**.
- Designed an **intuitive UI**, improving user engagement and conversion rates.

Veetech Design - Business Website

📅 10/2024 - 10/2024 📍 Freelance Project

Frontend Developer

- Built a **modern and responsive** business website using **HTML, CSS, and JavaScript**.
- Designed an **aesthetic and user-friendly interface**, enhancing brand visibility.
- Implemented **smooth animations and interactive elements** for an engaging user experience.
- Optimized site performance and loading speed, improving SEO rankings.

EDUCATION

Bacholor of Computer Application (BCA)

Madurai Kamaraj University College, Madurai

📅 06/2019 - 05/2022

1st - 12th STD's

St.Mary's Higher Secondary School, Madurai

📅 06/2007 - 05/2019

LANGUAGES

TAMIL

Native



English

Advanced

