Amal Saji

⚲ Kollam, Kerala   ✉ amalsaji218@gmail.com   📞 7306255375   🔗 Portfolio   in LinkedIn   ⌗ GitHub

Education

B.Tech in Computer Science & Engineering   *07/2019 - 06/2023*
College of Engineering, Pathanapuram
- **CGPA: 7.67**

Grade 12   *06/2017 - 04/2019*
GOVT H.S.S Punalur
- **Percentage: 92.9%**

Skills

Programming Languages: Python, Go, HTML5, CSS, Tailwind, JavaScript, React.js, Express.js, Node.js

Databases: MongoDB, PostgreSQL, Cassandra

Tools: Git, GitHub, Linux, PowerShell

Soft Skills: Creative Solutions, Communication

Experience

MERN Stack Developer Intern   *Kottayam, Kerala 06/2024*
Digistore Pay   *- Present*
- Developed scalable APIs using **Express.js**, **Node.js**, and **MongoDB** for various services, ensuring smooth integration and improved system performance.
- Integrated third-party APIs like **ClubAPI** for recharges, bus, and flight bookings, and **AceMoney** for UPI payments, expanding product features.
- Collaborated with front-end teams to integrate APIs with **React** and **Redux**, delivering a seamless user experience.
- Conducted testing to optimize API **performance**, **scalability**, and **reliability**.

Full Stack Developer   *Bangalore 07/2023 -*
Algomox Private Limited   *01/2024*
- Developed user-friendly front-end features with **Angular** and improved back-end functionalities using **Go** and **Cassandra**, boosting performance and scalability.
- Resolved complex bugs in the **Angular front-end** and **Go-based back-end**, enhancing performance and user experience.
- Led unit and functional testing efforts, ensuring high product reliability by identifying and fixing **critical issues**.
- Streamlined product deployment using the **WiX Toolset**, reducing time-to-market and increasing deployment efficiency.
- Created an antivirus monitoring system with **real-time threat detection** and developed an automated product installation process for multiple client systems based on **IPs**, enhancing both **system security** and **deployment scalability**.

Projects

Flood Prediction and Forecasting Using Machine Learning   ⧉
- Developed a system with an **85% accuracy rate** to predict floods, sending real-time alerts to over **500 users**.
- Processed **10,000+ weather records** to identify flood risks, reducing response time by **30%** using the **Twilio API** and **Pandas**.

Netflix Clone 2.0 ↗

- Developed a Netflix-like platform offering real-time movie data and personalized recommendations using the **TMDb API**.
- Reduced loading times by **25%** with dynamic content loading, leveraging **React.js**, **Lazy Loading**, and **Redux**.

Employee Management System (MERN) ↗

- Built a system supporting **100+ employees**, featuring real-time notifications delivered within **2 seconds**.
- Handled **10,000+ employee records**, reducing search time by **50%** with **React**, **Node.js**, and **MongoDB**.

To-Do Application (MERN) ↗

- Assisted **200+ users** in managing **1,000+ tasks**, achieving **95%** user satisfaction.
- Implemented prioritization and reminders using **Express** and **JWT**, improving task management efficiency by **45%**.

Personalized Music Application ↗

- Delivered customized playlists, resulting in a **35%** increase in engagement and enhancing overall **user experience** through intuitive UI design with **Tailwind CSS**.
- Achieved **98% uptime** with a response time of **2 seconds**, leveraging **React.js**, **Tailwind CSS**, and the **Spotify API**.

Certifications

- JavaScript Course: Unlocking the Power of JavaScript.
- React JS Course Certification from Scalar Topics.
- Machine Learning with Data Analytics organized by CSI.
- Self-Driving Electric Vehicles workshop - KSHITIJ, IIT Kharagpur.
- Basics of AutoCAD & SketchUp Workshop - Techmaghi, IIT Kharagpur.

Languages

- **Malayalam**: Native or Bilingual Proficiency
- **English**: Full Professional Proficiency
- **Tamil**: Full Professional Proficiency
- **Hindi**: Full Professional Proficiency

Interests

Music, Reading.