

Selva Sivam B

Software Engineer | Team Lead

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Summary

Passionate Software Engineer with expertise in backend and full-stack development. Currently leading a team of developers, ensuring high-quality code, project efficiency, and mentorship. Started my journey in web development with PHP and gradually expanded my expertise to modern technologies. Always eager to learn and explore innovative solutions.

Experience

ITOI Technologies

Nagercoil, Tamil Nadu, India

2022 - Present

Team Lead

- Orchestrated a team of **5 developers**, boosting project delivery efficiency by **30%** through improved workflow strategies.
- Reduced critical bugs by **45%** through rigorous code reviews and establishing best coding practices.
- Accelerated junior developers' productivity by **35%** through targeted mentorship and technical guidance programs.

Software Developer

- Started my career with **PHP development**, focusing on backend logic and API integration.
- Worked on various projects, improving problem-solving skills and gaining hands-on experience in full-stack development.
- Focused on self-improvement, enhancing technical skills, and preparing for a leadership role.

Projects

Teledoctor

Technologies: React, Node.js

Oct 2024 - Dec 2024

- Architected a telemedicine platform enabling **200+** virtual consultations per day.
- Incorporated multiple payment gateways, resulting in **98%** secure transaction completion rate.

Heart Disease Prediction

Technologies: Python, Machine Learning, NLP, Pandas

Aug 2024 - Nov 2024

- Engineered a machine learning model achieving **92%** accuracy in predicting heart disease likelihood.
- Leveraged NLP for processing health-related data and crafted interactive dashboards increasing user engagement by **40%**.

Career Journey

Technologies: JavaScript, React, Node.js, REST APIs

Jun 2023 - Oct 2024

- Created a web application for IT career navigation, attracting users.
- Enhanced frontend performance by **35%** and optimized backend logic, reducing data processing time by **50%**.

WhatsApp Business Automation

Feb 2023 - Sep 2024

Technologies: Node.js, WhatsApp Business API, MySQL

- Designed an automation system handling **10,000+** daily messages via WhatsApp Business API.
- Crafted scheduling features and message templates, increasing client engagement rates by **65%**.

DCC School Management

Dec 2023 - Mar 2024

Technologies: Python, CodeIgniter 4, MySQL, Angular, Ionic

- Built responsive web and mobile interfaces that improved user experience by **70%** according to satisfaction surveys.
- Pioneered a Face Recognition Attendance System achieving **95%** accuracy using OpenCV and MediaPipe.

Gospel Echoing Missionary Society

Jan 2023 - Present

Technologies: CodeIgniter 4, MySQL, Angular

- Crafted a user-friendly interface that increased volunteer registration by **45%**.
- Established real-time notifications with Firebase, boosting user engagement by **60%**.

Inherit Initiative Maps (IIM)

Nov 2022 - Dec 2024

Technologies: PHP, Google Maps API, JavaScript, REST APIs

- Constructed an interactive map application visualizing **500+** church locations and community statistics.
- Deployed real-time data visualization tools that improved decision-making efficiency by **40%**.

Skills

Languages

JavaScript, PHP, Python, HTML, CSS, SQL, MongoDB

Frameworks

React, CodeIgniter, Laravel, Node.js, Django, Angular

Tools

Git, Docker, CI/CD

Technologies

AWS, Azure, AI, Machine Learning, NLP, Pandas, Deep Learning

Soft Skills

Leadership, Teamwork, Communication

Education

Cape Institute of Technology

2017 - 2021

Bachelor of Mechanical Engineering