

THAMOTHIRAN S

FULL STACK DEVELOPER - ETHICAL HACKER

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Full Stack PHP Developer (LAMP/MERN) with 6+ Years Experience | Expert in PHP, Laravel, React.js, Node.js | Skilled in API Development, Cloud Deployment, and Server Management | Proven Impact in Real-Time Data Solutions and Performance Optimization

KEY TECHNICAL SKILLS

- **Programming & Scripting** : PHP, Python, Bash, Dart, Embedded-C, JavaScript, jQuery, Ajax, XML, JSON, Core Java
 - **Frameworks & Tools** : Laravel, CodeIgniter, Symfony, WordPress, Vue.js, Express.js, Node.js, Flutter, React.js
 - **Database Technologies** : MySQL, PostgreSQL, MongoDB, SQLite, MS-SQL
 - **Cybersecurity Tools** : Burp Suite, Zap, Metasploit, SQLmap, Nmap, Aircrack, Wireshark, gdb Debugger
 - **Server & DevOps Tools** : Docker, GitHub, Linux Server Management, SSH, FTP, CI/CD Pipelines
 - **Embedded & Networking Protocols** : Modbus, Serial RS232/RS485, TCP/IP, USB, WiFi, Bluetooth, LoRa, RFID, Ethernet/IP, MQTT, HTTP/HTTPS, FTP/SFTP, SPI, I2C
 - **Ethical Hacking & Vulnerability Assessment** : Proficient in testing applications for SQL injection, cross-site scripting, and other common vulnerabilities using various tools and manual testing techniques.
 - **Tech Stacks** : MERN, LAMP
 - **Cloud Platforms**: AWS, GCP (in progress)
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PROFESSIONAL EXPERIENCE

Full Stack Software Engineer | SpOvum Technologies | Mar 2021 - Present

- Led full-stack development of real-time monitoring dashboards and REST APIs developments for critical IVF medical devices, using PHP (LAMP) and JavaScript frameworks (MERN).
- Integrated data logging systems across embedded devices using PHP, Node.js, and Python, handling complex protocols such as Modbus and TCP/IP for real-time data transfer.
- Optimized server performance and reduced downtime by 30% through effective server setup, automated cron jobs, and maintenance of secure Linux-based servers with static IP configurations.
- Delivered customized dashboards for clients, improving their data accessibility and user experience, resulting in a 20% increase in client satisfaction scores.
- Created and maintained robust API developments using Node.js and PHP, which improved data synchronization speed by 40% between devices and databases.
- Developed and implemented SEO strategies for clinic websites, increasing organic traffic by 25%.
- Provided 24/7 real-time support, reducing response times to client issues by 50%, resulting in smoother operations for critical device monitoring.
- Collaborated with cross-functional teams, including QA and IT support, ensuring that critical bugs were resolved within SLA timelines, reducing system failures by 15%.

Full Stack Developer | Alpha Labs | Mar 2019 - Mar 2021

- Developed and maintained a core PHP CMS with admin panels for clients.
 - Created dynamic websites using Bootstrap, jQuery, and JavaScript to enhance user experience.
 - Built and integrated APIs between embedded hardware and software for Linux boards.
 - Executed Python ML scripts within CMS for data analysis and visualization.
 - Gained proficiency in ethical hacking, particularly in Linux environments.
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ENTREPRENEURIAL PROJECTS

- Cosnumero (2021-Present)
 - One More Throne (2023-Present) and ThamoNature(2023-present)
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EDUCATION

Bachelor of Engineering (Biomedical Engineering) – Anna University, 2019

CGPA : 7.5/10

Languages : Tamil, English, Kannada

SOFT SKILLS

Problem-solving, team collaboration, client management, and strong communication abilities.