

Sathishkumar Ranganathan

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Professional Summary

Versatile and skilled professional with 8 years of combined experience in software development and IT engineering. Possesses 4 years of hands-on experience in designing, developing and deploying software applications, coupled with 4 years of expertise in IT infrastructure management, system setup and technical support. Demonstrates a strong ability to bridge the gap between development and IT operations, ensuring seamless integration and optimal performance of systems. Proficient in a variety of programming languages, frameworks and technologies including PHP, JavaScript, Reacts, C#, Flutter, Vercel and AWS. Excellent problem-solving abilities, with a proven track record of delivering high-quality solutions and providing exceptional technical support. Committed to leveraging diverse skill sets to drive innovation and efficiency within dynamic environments.

Work Experience

Pedro

Software Developer

Singapore

Sep 2020 - Current

- Designed and implemented a comprehensive security solution using Laravel PHP for the web application and Flutter for the mobile application and managed the deployment of the iSecure360 solution on AWS, ensuring high availability, scalability and security.
- Designed and implemented a comprehensive visitor management system using Laravel PHP for the web application and Flutter for the mobile application and managed the deployment of the iSecureVMS solution on AWS, ensuring high availability, scalability and security.
- Designed and implemented an inventory management system, service order management system along with mobile application based on client requirements.
- Managed installation, configuration, maintenance, upgrade and backups of Windows and Linux based server machines.
- Implemented on-premises iRedMail Secure email gateway along with spider email archive solution to improve security, resulting in reduced storage footprint and cost.
- Enforces solid network security by implementing UTM firewall (Sophos & FortiGate) with built-in IPS, vulnerability scanning / remediation along with centralized TrendMicro Endpoint protection.

Digital Alarm Technologies

IT Support Engineer

Singapore

Mar 2018 – Jul 2020

- Acting as primary contact for computer hardware and software problems, as well as network emergencies.
- Managed installation, configuration, maintenance, upgrade and backups of Windows and Linux based server machines.
- Involved in rollout of servers and software updates/patches and investigate on complex and specialist IT issues.
- Migrated all the services from Windows Server 2008 to Windows Server 2016.
- Setting up and configuring new hire PCs and laptops using deployment console images, and setting up office hardware.

Hinduja Global Solutions

Support Engineer

Bangalore, Karnataka – India

Jun 2016 – Jan 2018

- Troubleshoot and resolve hardware, software and network related issues.
- Setting up and configuring new hire PCs and laptops using deployment console images, and setting up office hardware.
- Install and configure software applications and peripheral devices.
- Managed installation, configuration, maintenance, upgrade and backups of Windows and Linux based server machines.

KBG Services

Support Engineer

Hosur, Tamil Nadu – India

Jun 2015 – May 2016

- Managed installation, configuration, maintenance, upgrade and backups of Windows based servers and workstations.
- Ensured that all hardware, operating systems, software and procedures aligned with organizational standards and strategic business plan.
- Resolved a history of problematic network failure by troubleshooting LAN/WAN connections between multiple stores for a regional retail chain.

Projects

iSecure360

Laravel PHP, MySQL & Flutter

Complete Security Solutions

- Designed and implemented a comprehensive security solution using Laravel PHP & MySQL for the web application and Flutter for the mobile application.
- Developed key features including security guard attendance tracking, incident reporting, guard tour management, supervisory checklist management and leave management.
- Implemented offline mode functionality for guard tour feature, allowing data synchronization once the connection is re-established.
- Ensured the security of the application by implementing best practices for authentication, authorization and data encryption.
- Conducted performance tuning and optimization to ensure fast and reliable application performance.

iSecureVMS

Laravel PHP, MySQL & Flutter

Complete Security Solutions

- Designed and implemented a robust visitor management system to enhance security and streamline visitor check-in processes using Laravel PHP & MySQL for the web application and Flutter for the mobile application.
- Implemented visitor and contractor check-in functionalities, ensuring a smooth and efficient process for managing visitor entries.
- Developed preregistration features with automated email notifications to streamline visitor management and improve security.
- Integrated QR-based check-in and check-out functionality, allowing for quick and secure processing of visitors.
- Ensured the security of the application by implementing best practices for authentication, authorization and data encryption.
- Conducted performance tuning and optimization to ensure fast and reliable application performance.

Technical Skills

Operating System	Windows & Linux
Programming Languages	VB.Net, C#, PHP, React, JavaScript Flutter
Libraries/Frameworks	HTML5, CSS3, Bootstrap, React.js, Express.js, Next.js, Node.js, Git, Laravel, CodeIgniter
Database	MySQL, SQL Server Express, MongoDB
Platforms	AWS, Vercel

Education

Panimalar Engineering College (Anna University)

BE / B. Tech in Computer Science and Engineering

Chennai, Tamil Nadu – India

Aug 2011 – May 2015