MANIMARAN CHANDRASEKAR

Software Developer | Technical Lead

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SUMMARY

A highly accomplished software engineer with a proven product design, development, and system scaling track record. Adept at building high-performance, scalable solutions that drive efficiency and business value. Passionate about optimizing processes, enhancing system reliability, and mentoring teams.

CORE SKILLS

• Programming: GoLang, C++

• Technologies: Storage, Networking, Kubernetes, Docker, REST APIs, gRPC

• Software Development: Data Structures, Algorithms, Multi-threading, Microservices, Design Patterns

• Cloud & DevOps: Google Cloud Platform, CI/CD Pipelines, Git, JIRA

PROFESSIONAL EXPERIENCE

Senior Technical Lead

Msys Technologies, Chennai, India (Sep 2016 - Present)

Environment: GoLang, C++, Storage, Kubernetes, Helm, gRPC, REST

• Boosted Storage Software Update Performance by 40%: Optimized object storage cloud platform software updates, improving APIs performance and reducing latency, enhancing user experience.

• Designed a Scalable Kubernetes Operator: Led the design and development of a Kubernetes operator framework, automating deployment and scaling of cloud storage solutions.

• Reduced Cluster Setup Time by 60%: Identified and eliminated performance bottlenecks during Object Storage cluster initial setup, ensuring seamless and faster software installations.

• Led High-Impact Teams: Mentored junior developers and spearheaded code reviews, fostering a culture of best practices and knowledge-sharing.

Senior Software Engineer
SolarWinds India Pvt. Ltd, Chennai, India (Jan 2013 - July 2016)

Environment: C++, Perl, SaaS, Networking

• Developed a SaaS Platform Used by 500,000+ Users: Designed and implemented over 30 domain, IP, and email management tools, enabling businesses to monitor and manage networks efficiently.

• Enhanced API Performance: Refactored REST API architecture, reducing response times and improving scalability.

• Automated Deployment Processes: Built CI/CD pipelines that minimized manual efforts and accelerated release cycles.

Software Engineer
SIFY Software Ltd, Chennai, India (Aug 2011 - Jan 2013)

Environment: C++, Perl, Networking

• Developed Multi-threaded Network Monitoring System: Designed an SNMP-based application for discovering network devices, reducing troubleshooting time

• Implemented Real-time Alert System: Built a robust alerting mechanism for detecting service failures, enabling quicker response and resolution.

Associate System Engineer
BKSystems Pvt. Ltd, Chennai, India (Sep 2006 - Jul 2011)

Environment: C, C++, Telecom, Networking

• Developed Call Recording Software Used by 50+ Call Centers: Engineered a multi-threaded, computer telephony-integrated system for monitoring customer service calls.

• Optimized Resource Allocation: Streamlined memory management in real-time systems, enhancing stability and performance.

EDUCATION
Diploma in Computer Engineering
Graduated with 85%, April 2006

I affirm that the information provided is accurate to the best of my knowledge.