

Contact

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Top Skills

Program Management
Software Development
Cross-functional Coordination

Certifications

Holding Yourself Accountable
Risk Management in Development Projects

Publications

Control Message Data Path In a Virtualized Switch Environment
Software Method for Controlling Hardware Peripherals from Inside a Virtual Machine

Patents

Method and system for treating interrupts in an embedded system

Vadivel Poonathan

Engineering Program Manager
Ventura County

Summary

Helping Organization to drive Engineering Programs and develop SW products and features by coordinating and working with multiple technical and operational teams spread across the globe.

Meticulous, Result-driven and Experienced Technical Management Professional with overall 19+ years of experience in varied roles and responsibilities ranging from program management, people management, product development, customer management, onsite-offshore delivery management, execution of software projects & releases and hands-on development of software products and features, mainly in the areas of Embedded Systems, Enterprise Data Networking and Network Management.

Experience

Keysight Technologies
R&D Operating Manager
August 2019 - Present (1 year 6 months)
Calabasas, California, United States

Alcatel-Lucent Enterprise
10 years 7 months
Engineering Program Manager
November 2014 - July 2019 (4 years 9 months)
Calabasas, CA

Driving the Product Development and SW Releases of Ethernet based Data Networking Products and Features, involving about 10 different teams and ~120 development & test engineers and other supporting functional teams. Managing SW programs by following Agile development principles and Train model process. Breaking down the program objectives and executive directives in to smaller projects - planning, scheduling, assigning and tracking the projects - by closely working with development managers and project managers.

Handling the end-to-end delivery of the program contents by Collaborating, Negotiating and Interfacing with various stakeholders of the program within the organization. Tracking and Managing the Scope, Schedule, Quality and Cost of the individual projects and thereby the program's KPI. Presenting the program's status, risk and mitigation plans to the executive management.

Managing the SW development team and Coordinating various cross-functional technical teams across the globe. Setup offshore development environment and ramp-up the development teams, mentored them and facilitate them technically as well as operationally to take up and deliver new SW projects.

Software Development Manager

June 2011 - October 2014 (3 years 5 months)

Calabasas, CA

Managed 12 member team of Software developers by planning, scheduling, prioritizing, tracking and facilitating the team. Performed requirement, feasibility analysis, effort estimation and prototyping of core design. Translated the customer and marketing requirements into product features. Developed software requirement specifications and high level design specifications by closely working with Product Line Managers and System Architecture team. Represented the SW functional group in the Program Core Team and reported the status and acted as interface between PCT and rest of the SW development teams.

Contributed in developing solution to support Virtual Machine in a proprietary embedded system products. Published invention disclosures related to the virtualization used in the Data networking products. Developed OpenStack Neutron Network plugin for ALE products and contributed back to the open source community.

Sustaining Engineering Manager

January 2009 - May 2011 (2 years 5 months)

Calabasas, CA

Technically managed the customer escalation of field issues during SW upgrade, new deployment and post-release software defects from production networks of Alcatel-Lucent OmniSwitch product families. Closely worked with technical support teams, identified and understood the customer concerns and pain points from technical stand point while deploying and upgrading live network. Proposed solutions and mitigation plans and feedback the issues

back to the SW design and validation team to incorporate them into the next development cycle and GA releases.

Managed 3 major family of product lines with team of 50+ sustaining and test engineers. Managed the organization defined and customer committed SLAs. Managed the hot-fix and patch release for critical show-stopper issues and the periodic maintenance release for non-critical software defects and enhancements.

Wipro Technologies

8 years 7 months

Customer Escalation Lead and Onsite Coordinator

September 2006 - December 2008 (2 years 4 months)

Calabasas, CA, USA

- Worked, at Client location, as an Onsite coordinator for the offshore team which provided the necessary engineering services such as development of SW features, maintenance, automation testing for SW maintenance releases etc. Also acted as an interface to client management when there had to be escalation on offshore team's productivity and quality of deliverable etc.
- Coordinated 4 different technical teams of 50+ engineers and closely worked with client engineering team for the deliverables of on-going and new projects and requirements.
- Setup the new offshore team from the scratch (and ramped up the existing ones), trained them on onsite-offshore delivery process and facilitated with necessary technical training on product/proprietary tools and mentored them to gradually pick up and deliver new SW projects.
- Presented the monthly status and quarterly program review of the engagements to client management interface.

Technical Project Lead

January 2004 - August 2006 (2 years 8 months)

Chennai, India

- Worked as a Technical Lead by developing SW features for Alcatel-Lucent Ethernet switching products. Wrote Software Functional Specification and Software Design Specifications.
- Technically led the team of 4 engineers to develop and support the control and management plane software features required for building a new Network Interface module.
- Provided technical training on system architecture and SW design of the ALE's OmniSwitch products and product development life cycle to new team

members. Mentored and guided junior engineers and rookies to ramp up on the project development and test process.

Sr. Software Developer and Onsite Coordinator

January 2002 - December 2003 (2 years)

Kanata, Canada

- Worked as senior software developer and technical coordinator at client location for SW development activities on Alcatel's 5620 Network Manager, a SNMP based Network Management platform.
- Also worked on Alcatel's 5520 Element Management platform which used proprietary Qe protocol and standard SNMP protocol.
- Developed Fault Management, Alarm management related NMS functionalities using C and C++.
- Performed technical coordination with onsite and offshore development teams. Reported the offshore team's status to Client manager.

Software Developer

June 2000 - December 2001 (1 year 7 months)

Chennai, India

- Developed software features on Unix/Sun Solaris environment using C. Involved in the design and implementation of software enhancements on NMS system managing various data networking and telecommunication products.
- Developed element management and network manager SW features using C and C++ in Unix environment.

L-Cube Innovative Solutions

Software Engineer

June 1998 - May 2000 (2 years)

Chennai, India

- Developed software features on Windows environment using WIN32 SDK, C++ and VC++ MFC.
- Ported electronic document management system related SW product written in WIN32 SDK, C and BC++ to VC++ using MFC.

Education

Madurai Kamraj University, Madurai

Bachelor of Engineering - BE, Computer Science · (1994 - 1998)