

Manimaran Selvan

TECHNOPRENEUR | STRATEGIC THINKER | VISIONARY

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Summary

With 15 years of experience in software engineering, I have successfully led many key initiatives through lean operations. Over the past six years, my work in technical product management has involved making complex technical decisions for product teardowns, functional changes, new builds, and rebuilds. I have significantly impacted the businesses I've worked with throughout my career by consistently making informed, strategic decisions. My approach to leadership is collaborative, focusing on guiding teams and creating an environment that supports their ability to deliver outstanding results.

Achievements

Strategic Leadership: Co-founded two startups, leading to valuable insights into product development, operations, and the broader business landscape. Led IT department consolidation, generating annual cost savings of **\$4.3M** through efficiency and optimal resource management.

Product Innovation: Boosted spec throughput **5x** per quarter by designing lean TPM assembly lines. Authored technical teardown specs of 3rd party products and functional specs of new products, showcasing a strong ability to innovate and adapt.

Collaboration & Transformation: Collaborated in the post-acquisition transformation of Jive Software, a **\$462M business**, managing knowledge transfers, compliance, and product rollouts. Contributed to CloudFix technical specs, leading to annual internal savings of **\$18.3M** and customer savings of over **\$100M**.

Analytical Excellence: Scored in the **top 1%** out of more than **5 million** CCAT test participants worldwide, demonstrating solid analytical skills. Authored numerous 5K rewrite specs to rebuild legacy software products using off-the-shelf AWS technologies and reduced LOC from **millions to 5000**.

Impactful Contributions: Led end-to-end architecture design and implementation of various platforms, implemented cost-effective measures, and managed infrastructure and deployments, reflecting a comprehensive understanding of product lifecycle and operations.

Area of Expertise

Strategic Product Planning | Leadership & Team Collaboration | Agile & Lean Methodologies | Continuous Improvement | Product Vision | Stakeholder Management | Vendor Management | Change Management | People Management | Software Engineering | Decision Making | Problem Solving | Coaching/Mentoring | Conflict Resolution | Cross-functional Collaboration | Emerging Technologies

Technical Expertise

Serverless (API Gateway, AppSync, Lambda, EventBridge, Step Functions) | **Cloud Technologies** (AWS, GCP) | **Release Management** (Gradle, Maven, Jenkins) | **Programming Languages** (Java, Groovy, Javascript, Python) | **Testing** (UAT, Alpha, Beta, A/B Testing) | **Databases** (MySQL, PostgreSQL, MongoDB, DynamoDB, Neptune, Redis, Athena) | **Prototyping** (Figma, Balsamiq) | **Containers** (Docker, K8s) | **API** (REST, GraphQL) | **VCS** (Git, SVN, CVS) | **Messaging** (SNS, Kinesis, Kafka) | **Diagramming** (Lucidchart, Draw.io) | **Data Visualization** (Quicksight, Grafana)

Certificates

[Aha! Product Management Professional Certificate](#)

[freeCodeCamp – Javascript Algorithms and Data Structures](#)

Work Experience

Trilogy Enterprises, Inc.

Austin, Texas (Remote)

Technical Product Manager, Founding member of the Central TPM business function.

Aug 2018 – Jun 2023

- Revolutionized the work allocation and delivery process by implementing assembly lines, enabling 24/7 operations for a globally dispersed workforce.
- Executed initiatives that resulted in over \$15M in cost savings, ultimately leading to a new cost optimization product called CloudFix that saved \$100M so far.
- Collaborated closely with a retiring VP, co-managing a team of 60+ Technical Product Managers, setting up productivity monitoring, and preparing to step into the VP of TPM role.
- Crafted technical specifications incorporating critical technical decisions derived from thorough experimentation and analysis.
- Created essential tools to facilitate ordering specs, search, certifications-based work unit buckets, stack ranking, and successful CTO bootcamps.

Lead Software Engineer, Acting IT Ops Manager.

Jan 2015 – Jul 2018

- Successfully centralized and managed IT Ops across portfolio companies, supporting a globally dispersed workforce of 5000+, resulting in 85% cost savings.
- Coached and managed a team of 20+ senior SREs, developing automation, imports, and managing production environments.
- Written umpteen playbooks for transitioning/integrating IT systems during M&A.
- Liaised with Software Engineering Leaders to set up productivity reports and a unified JIRA workflow for various business functions.

Tissow Technology Ventures, LLP.

Chennai, India

Technical Co-founder.

Nov 2013 – Dec 2014

- Directed the end-to-end architecture design, software development, implementation, and maintenance of Humingo, an e-commerce product aggregation and discovery platform.
- Successfully revamped Ticketgoose, a bus operator management and ticketing platform, by adopting modern technologies and simplifying the architecture in a 3-month span.
- Implemented cost-effective measures to optimize technology operations and ensure efficient resource utilization while running lean.

Nallan Technology Ventures Private Limited.

Chennai, India

Technical Lead.

Dec 2011 – Oct 2013

- Steered the architecture, software development, and deployment of Kachyng, a PCI-compliant mobile payments platform featuring single-click checkout and ad placements.

EMRG Software Solutions Private Limited.

Chennai, India

Technical Co-founder.

Sep 2010 – Nov 2011

(Originally from Aug 2009)

- Built and led a team of 10 members in software engineering and SaaS Operations.
- Designed and developed 2 products in the financial information research space.

YuMe, Inc.

Chennai, India

Systems Engineer

Jan 2010 – Aug 2010

- Maintained the infrastructure and automated continuous deployments in 6 different internal environments.
- Handled end-to-end fortnightly production deployments, weekly migrations, and other critical daily DevOps responsibilities, including comprehensive monitoring and maintenance tasks.

Java Application Developer.

Aug 2008 – Dec 2009

- Pioneered R&D in native mobile technologies (Symbian C++, J2ME, Blackberry JVM) and delivered early mobile apps.
- Built numerous Proof-of-concepts in Google Web Toolkit, showcasing the potential of innovative web technologies.

Education

B.Sc Computer Science | Bharathidasan University, Trichy, India | 2005 – 2008 batch.