



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

- Scored in the **top 1%** out of more than **5 million CCAT test participants** worldwide, demonstrating solid verbal, mathematical, logical, and spatial reasoning skills.
- Boosted delivery throughput **five-fold** per quarter by implementing lean assembly lines composed of 2- to 8-hour work units, enabling **24/7 coverage**, resulting in **>750% operating profits**.
- Contributed to CloudFix technical specs, leading to annual internal savings of **\$3.3M (\$4.5M to \$1.2M ~ 75%)** during the pilot run and over **\$100M** for customers.
- Spearheaded the post-acquisition transformation of Jive Software in 2017, a **\$462M** business acquired by Aurea Software, managing hand-offs, GDPR compliance, documentation, and product rollouts.
- Consolidated IT/SaaS Operations across the portfolio in 2016, generating annual cost savings of **\$4.3M (\$5M to \$700K ~ 85%)**, leveraging economies of scale, enhancing efficiency, and optimal resource management.
- **Co-founded two startups** in 2009 (fintech) and 2013 (e-commerce), garnering valuable insights into startup operations and the broader business and technology landscape.
- Penned **technical teardown specs** of 3rd party products (e.g., ChatGPT, Twilio, Slack, Loom) as well as in-house products (e.g., WorkSmart, Kayako) and **functional specs** of new products (e.g., CloudFix, Tempo).
- Authored numerous **5K rewrite** specs to rebuild legacy software products **in less than 5K LOC** using off-the-shelf **AWS technologies** that originally spanned **millions of LOC**.

Area of Expertise

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

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) | **Data** (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)

Professional Experience

Trilogy Enterprises, Inc.

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

Aug 2017 – Jun 2023

Austin, Texas

(Remote)

- 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 2017

Austin, Texas

(Remote)

- 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, Technical Co-founder.

Nov 2013 – Dec 2014

Chennai, India

- 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., Technical Lead.

Dec 2011 – Oct 2013

Chennai, India

- 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., Technical Co-founder. (Originally from Aug 2009)

Sep 2010 – Nov 2011

Chennai, India

- 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.

Systems Engineer.

Jan 2010 – Aug 2010

Chennai, India

- 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

Chennai, India

- 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, Bharathidasan University

Trichy, India

Computer Science Major