Manimaran Selvan

Technopreneur | Strategic Thinker | Visionary

📞 +91-994-018-1901   ✉ mselvan@belyf.com   📍 Tamil Nadu, India
in in.mselvan.com   github.com/mselvan   blog.belyf.com

Summary

With 15 years of experience in software engineering, I have built lean operations and led key initiatives. 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 made complex technical decisions that have significantly impacted the businesses I've worked with. 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.
- 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.
- Boosted spec throughput **five-fold** per quarter by implementing lean TPM assembly lines composed of 2- to 8-hour work units, enabling **24/7 coverage**, resulting in **>750% operating profits**.
- Led IT department consolidation in 2016, generating annual cost savings of **$4.3M ($5M to $700K ~ 85%)**, leveraging economies of scale, enhancing efficiency, and optimal resource management.
- Led the post-acquisition transformation of Jive Software in 2017, a **$462M** business acquired by Aurea Software, managing knowledge transfers, GDPR compliance, documentation, and product rollouts.
- **Co-founded two startups** in 2009 (fintech) and 2013 (e-commerce), garnering valuable insights into startup operations and the broader business and technology landscape.
- Authored **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 and preparing to step into the VP of TPM role.
- Crafted technical specifications incorporating critical technical decisions derived from thorough experimentation and analysis.
- Built essential tools and dashboards 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 significant cost savings.
- Coached and managed a team of 20+ senior SREs, developing automation, imports, and managing production environments.
- Developed playbooks for transitioning/integrating IT systems during M&A.
- Collaborated 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

- Led 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

- Led 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.*

Aug 2009 – Nov 2011
Chennai, India

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

YuMe, Inc.

Systems Engineer.

Jan 2010 – Aug 2010
Chennai, India

- Managed infrastructure and automated deployments in 6 internal and 2 production environments.
- Managed end-to-end production deployments, migrations, and other critical 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

Bachelors in Computer Science, *Bharathidasan University*

Trichy, India

CGPA: 7.5 out of 10.