

# Manimaran Selvan

Brussels, BE | [+32 494 80 63 77](tel:+32494806377) | [mseivan@belyf.com](mailto:mseivan@belyf.com) | [LinkedIn: @maniselvan](#) | [GitHub: @mseivan](#)

## PROFESSIONAL SUMMARY

Cloud Architect with 17 years of experience designing scalable, multi-cloud systems on AWS, Azure, and GCP. Skilled in cloud-native modernization, observability, and AI automation, with leadership strengths in reliability, cost efficiency, and delivery speed. Experienced in leading distributed engineering teams to build resilient architectures, optimize CI/CD, and drive measurable business outcomes.

## TECHNICAL SKILLS

- Cloud Platforms** | AWS, Azure, GCP
- Programming Languages** | Java, Groovy, Python, TypeScript, JavaScript
- Architecture & Infrastructure** | Multi-region systems, Microservices, Event-driven design, IaC (Terraform, CloudFormation), Kubernetes (EKS/GKE), Docker
- DevOps & Observability** | CI/CD Pipelines (GitHub Actions, Jenkins, Cloud Build), Monitoring & Tracing (Grafana, SignalFx/Splunk, New Relic, Cloud Monitoring, Prometheus)
- Data & Integration** | BigQuery, DynamoDB, PostgreSQL, MySQL, Redis, Pub/Sub, Kafka, REST, GraphQL
- AI & Automation** | Vertex AI (Gemini API), Azure Video Indexer, GPT-4 APIs
- Networking & Security** | VPC, Security Groups, Load Balancers, API Gateway, WAF, Secrets Manager
- Resilience & Performance** | Auto Scaling, Multi-AZ, Blue/Green Deployments, Caching Strategies
- Frameworks** | Spring Boot, Node.js, React, Angular
- Tools** | Git, GitHub, Bitbucket, GitLab, Gradle, Maven, Postman, Jira, Confluence
- Security & Governance** | IAM, Audit Logging, Cost Optimization, Compliance & Risk Controls
- Methodologies & Architecture** | Agile (Scrum/Kanban), Lean, UML, C4, DDD

## WORK EXPERIENCE

- |   |  |
|---|--|
| <b>Cloud Solutions Architect / Senior Program Manager</b><br><b>Pragya Consulting Services</b> (on assignment to <b>Al Jazeera Media Network</b> )  | <b>Jul 2023 – Present</b><br>Brussels, Belgium       |
| <ul style="list-style-type: none"><li>Architected <b>multi-region cloud infrastructure</b> across AWS, Azure, and GCP, ensuring high availability and scalability for global news and media workloads.</li><li>Led the <b>modernization of legacy media platforms</b>, migrating to cloud-native architectures that improved reliability by 40 % and cut operational costs by 30 %.</li><li>Established <b>DevOps standards and CI/CD pipelines</b>, reducing deployment cycles from days to hours.</li><li>Developed an <b>Observability Playbook</b> and directed bi-weekly and quarterly QoS reviews, boosting monitoring accuracy to 95 % and shortening incident response by 25 %.</li><li>Partnered with the <b>JaWaCloud data warehouse (BigQuery)</b> team to migrate ETL jobs to Cloud Run Jobs and publish custom metrics to enhance visibility and cost governance.</li><li>Built a <b>multi-cloud Video AI platform</b> using Azure Video Indexer, GPT-4 APIs, and Vertex AI, processing thousands of hours of video for transcription and translation.</li><li>Conducted <b>architecture reviews, cost audits, and technical mentoring</b> to strengthen reliability, performance, and engineering excellence.</li></ul> |  |
| <b>Cloud Software Architect / Technical Product Manager</b><br><b>Trilogy Enterprises</b>   | <b>Jan 2015 – Jun 2023</b><br>Austin, Texas (Remote) |
| <ul style="list-style-type: none"><li>Architected and scaled <b>CloudFix</b>, an AWS cost-optimization platform delivering \$100M+ cumulative savings across enterprise customers.</li><li>Centralized <b>IT operations for 5K+ global engineers</b>, achieving 85 % cost savings through automation and unified tooling.</li><li>Led <b>20+ senior SREs</b>, improving productivity 4× via process optimization and clear delivery workflows.</li></ul>  |  |

- Designed **lean software assembly lines** enabling continuous, 24/7 product delivery across multiple geographies.
- Authored **M&A IT transition playbooks** integrating 15+ acquisitions into standardized cloud infrastructure.
- Created AWS-based tools for **specification ordering, ranking, and engineering bootcamps**, cutting operational overhead by 75 %.

#### Technical Co-founder/ Software Architect

Nov 2013 – Dec 2014

Tissow Technology Ventures

Chennai, India

- Co-founded and led engineering for **Humingo**, an e-commerce product discovery and aggregation platform built using Cloudera Hadoop, Apache Solr, Lucene, HDFS, HBase, Zookeeper, and Kafka.
- **Re-architected Ticketgoose**, a bus-ticketing platform, modernizing its backend with Spring Framework to improve scalability and reduce operational complexity.
- Drove **cloud cost optimization**, reducing total cost of ownership by 50 % by shifting workloads between AWS and Linode.
- Implemented **continuous delivery pipelines** and early microservice patterns, improving deployment consistency and team velocity.

#### Senior Associate / Software Architect

Dec 2011 – Oct 2013

Nallan Technology Ventures

Chennai, India

- Architected and developed **Kachyng**, a PCI-compliant mobile payments platform enabling one-click checkout and reducing transaction time by 50 %.
- Led the **PCI DSS compliance initiative**, implementing encryption, tokenization, and secure key management to pass all compliance audits successfully.
- Designed **microservice-style APIs** and modular payment components, enhancing scalability and maintainability.
- Collaborated with partners and acquirers to ensure **secure payment processing** and regulatory alignment.

#### Technical Co-founder / Software Engineer

Sep 2010 – Nov 2011

EMRG Software Solutions

Chennai, India

- Co-founded a 10-member startup building **financial information and analytics platforms** for retail investors.
- Designed and implemented **ETL pipelines and data models** for stock screening, portfolio management, and market insights.
- Introduced **automation in data ingestion and validation**, improving delivery speed and data accuracy.

#### Java Developer / Systems Engineer

Aug 2008 – Aug 2010

YuMe

Chennai, India

- Managed **infrastructure automation and deployments** across six environments, supporting large-scale video ad delivery.
- Developed **internal tools and web components** using Java and Google Web Toolkit.
- Conducted early **mobile R&D**, creating proof-of-concepts for native applications.

#### CERTIFICATIONS

##### AWS Certified Solutions Architect – Professional

Valid until Sep 2027

Validation Number: [e478210227fd46fdaccc48b5e403dba0](#)

#### EDUCATION

B.Sc. Computer Science, Bharathidasan University, Trichy, India

2008