



MOHAN SP

SENIOR STAFF ENGINEER

CONTACT

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[Portfolio](#)

CORE STACK

GOLANG

PYTHON

DOCKER

KUBERNETES

AWS

ADDITIONAL STACK

- Distributed Systems
- PostgreSQL
- MySQL
- MongoDB
- DynamoDB
- Redis
- RabbitMQ
- Go
- Echo
- GORM
- Flask
- Django
- FastAPI
- Argo Workflows
- Claude Code
- MCP
- RAG
- Node.js
- JavaScript
- LangChain
- MQTT/CoAP
- REST APIs
- Swagger/OpenAPI
- ReactJS
- Solidity
- Microservices
- GCP & Azure

FOCUS

- Backend Engineering
- Technical Leadership
- Distributed Systems
- R&D
- Cloud native/On-Prem SaaS
- Cybersecurity/Storage/IoT/AI

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EXECUTIVE PROFILE

Senior Staff Engineer with 15+ years of experience building scalable backend systems, distributed platforms, cloud-native applications, and cybersecurity products. Hands-on expertise in Golang, Python, Docker, Kubernetes, ReactJS, databases and AWS, with current work in LLM-powered applications, MCP-based tool orchestration, and Retrieval-Augmented Generation (RAG). Experienced in system architecture, end-to-end product delivery, technical leadership, R&D, production reliability, and cross-functional collaboration.

CAREER SNAPSHOT

SENIOR STAFF ENGINEER

[UltraViolet Cyber, Inc.](#) | Nov 2023 - Present | Remote

- Design and build scalable backend services using Golang, Echo, GORM, Python/Django/FastAPI, MySQL, PostgreSQL, Redis, AWS, Docker, and Kubernetes.
- Develop an ongoing AI-powered Security Automation Platform using Claude APIs and MCP-based security-tool integration, with RAG-backed knowledge retrieval for contextual analysis.
- Design workflow orchestration and production guardrails, including input and target validation, access controls, rate limits, timeouts, retries, audit logging, and observability.

SENIOR STAFF ENGINEER

[QNAP Corporation \(INDIA\) Pvt. Ltd.](#) | May 2018 - Sep 2023 | Bangalore, India

- Led engineering teams and drove delivery of high-performance products across cloud, storage, IoT, and web platforms.
- Designed and implemented complex product features while providing technical direction and mentoring.
- Built systems using Python, Flask, Golang, MySQL, MongoDB, REST APIs, and microservice architectures.

TECHNICAL LEADER

[QNAP Systems Inc.](#) | Nov 2015 - May 2018 | New Taipei City, Taiwan

- Provided technical leadership for high-performance engineering teams and customer-focused product delivery.
- Designed and implemented projects while mentoring developers and driving development initiatives.
- Built systems using Python, Flask, Golang, MySQL, MongoDB, REST APIs, and microservice architectures.

SENIOR WEB DEVELOPER

[Zyoin Web Pvt. Ltd. \(C2H for Technicolor\)](#) | Dec 2013 - Oct 2015 | Bangalore, India

- Led a team of 5 developers, contributing to application development, issue resolution, and delivery.
- Contributed to Technicolor's Showcase project.

SELECTED PRODUCT PORTFOLIO

SECURITY AUTOMATION PLATFORM [on-going] (Python, Claude APIs, MCP, RAG, Argo Workflows, Kubernetes)

Ongoing AI-powered security automation platform integrating security tools through MCP, using LLM-driven orchestration and RAG-backed knowledge retrieval to contextualize analysis and support security assessment workflows, with execution controls, auditability, retries, and observability.

UV LENS (Golang, Python, GORM, Echo, PostgreSQL, AWS, Kubernetes, ReactJS, Redis, Argo Workflows)

Open-architecture platform ingesting terabytes of digital-exhaust data daily from cloud platforms, security tools, endpoints, IoT/OT devices, agents, scanners, and security assessments; includes ReactJS user-interface capabilities.

MSP (Python, Django, Fast API, MySQL, Redis, Kubernetes, Argo Workflows, ReactJS)

Managed-service portal for security scans, assessments, findings, and vulnerabilities, covering engagement management, scheduling, progress tracking, reporting, report sharing, and billing.

JARVIS (Python, Django, MySQL, Redis, Java Swing, Kubernetes, Argo Workflows, ReactJS)

Burp Suite extension that records scan and vulnerability activity, orchestrates security tools through Argo Workflows, manages artifacts, supports triage, and sends findings to MSP reporting.

CAREER PROFILE

EDUCATION

M.C.A.

Kalasalingam University, Krishnankoil, India
2007 - 2010

B.Sc. (Computer Science)

Arulmigu Kalasalingam College of Arts and Science
2004 - 2007

CERTIFICATIONS

Anthropic Claude Courses

Building with the Claude API; Introduction to agent skills; Claude Code in Action; Introduction to Model Context Protocol | 2026

Torq Automation Expert

Torq | 2025

Certified Smart Contract Developer

Blockchain Council | 2023

Creating an Ethereum Blockchain using Solidity

Alison | 2023

The Metaverse, NFT & Web 3.0 - Evolution of Internet

Alison | 2023

MongoDB for Developers

MongoDB University | 2015

LANGUAGES

English • Tamil

SELECTED QNAP PORTFOLIO

Boxafe Python, MongoDB, Golang, REST APIs, React, AntD, Less, Robot Framework, Jenkins, Shell/PowerShell, Google Cloud, Azure

QMiix Golang, MongoDB, Python, REST APIs, Angular, Jenkins, Shell scripting, AWS, cloud APIs

QIoT Suite Lite Python, MongoDB, Golang, Node.js, Redis, RabbitMQ, Lua, IoT protocols, REST APIs, React

AWS Greengrass Python, Node.js, IoT protocols, REST APIs, React, Jenkins/Shell scripting, AWS

TeamViewer IoT Node.js, TeamViewer Daemon, REST APIs, Shell scripting

QNFS / Teams Plugin Node.js, AWS, REST APIs, React, Jenkins/Shell scripting, Azure

EARLIER CAREER

TEAM LEAD

URO GULF - SOD Technologies | Jan 2013 - Nov 2013

Led teams across Gathertime, Leadferret, Atheer, and Automatic Dialer System projects using Python/PHP/MySQL, Zend, WordPress, and related web technologies.

TEAM LEADER

Soft Logic | Apr 2012 - Dec 2012

Led teams delivering Udhryoga job portal, Online SLA e-learning system, and Swiss Life healthcare e-commerce platform.

WEB DEVELOPER

Datavision21 | May 2011 - Apr 2012

Delivered ATW Transport, Vente Billet hotel reservation, and UK Business Utilities CRM projects using Python, PHP, Moodle, Joomla, and MySQL.

PROFESSIONAL LINKS

Portfolio mohan-dev.netlify.app

LinkedIn linkedin.com/in/mohan-sp-11187531

GitHub github.com/spmohan77

BACKEND • CLOUD • CYBERSECURITY • STORAGE • IoT • AI • R&D • TECHNICAL LEADERSHIP