

Suraj Pal Singh

VP Engineering at Aedeon

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SUMMARY

Engineering leader building platform strategy, architecture, and core team execution across AI and cloud systems. Lead LLM training and fine tuning, agent workflows, Go backend development, and secure, reliable infrastructure while setting priorities, release standards, and hiring needs to align engineering delivery with product direction.

EXPERIENCE

VP Engineering, Aedeon

November 2025 to Current

- Directed the technology vision for Aedeon Graph, overseeing the software knowledge graph, planning model, and agents that implement and verify software changes.
- Defined engineering strategy for Aedeon platform roadmap.
- Set engineering priorities and define product capability scope, guiding architecture and implementation decisions to align with strategic objectives.
- Defined engineering staffing needs and roles, and conducted technical interviews to build a high-performing team.
- Oversaw development processes, code quality, and release planning.
- Established security, reliability, and compliance standards.

Software Engineer, Mactores Cognition Inc.

May 2022 to November 2025

- Contractor: May 2022 to 2023 (remote). Full-time: 2023 to November 2025.
- Developed cloud software modules to enhance Mactores Cognition Inc.'s enterprise data platforms.
- Developed cloud applications to meet specific client project requirements for Mactores Cognition.
- Built APIs in Python and Go to support client application functionality.
- Deployed applications on server machines using AWS.
- Reviewed code for quality, security, and maintainability standards.
- Built machine learning models for employer product and research needs.
- Deployed AI services and ML models using AWS Sagemaker.
- Constructed pipelines for automating the training, deployment, monitoring, and evaluation of multiple machine learning models simultaneously.

PROJECTS

- Mactores log simulator** (June to August 2023): Built a concurrent Go simulator for high-volume machine logs and sent generated logs to Kafka running in containers on Amazon ECS.
- Payments client project** (February to June 2023): Implemented Go gRPC web and credit card tokenization services, DynamoDB CRUD operations with minimal IAM permissions, and OWASP security validation.
- Enterprise storage client project** (Started May 2022): Developed Go plugins for APISIX and automated deployment of APISIX and its components to the client's Kubernetes cluster.
- Upwork** (September 2021): Developed and generalized a Go module for cipher decryption.
- W65Co2 emulator, personal project** (Started February 2022): C++ emulator with assembly instruction support and behavior modeled on the physical processor.
- Hack The Box** (Started August 2019): Penetration testing on Hack The Box lab machines.

SKILLS

Engineering strategy, Technology roadmap, Software architecture, Cloud architecture, Machine learning and GenAI, Security standards, Platform engineering, Software development, Release management, Strategic planning

EDUCATION

B.E., Computer Science and Engineering

NIE Institute of Technology, Mysore, 8.35/10 GPA, July 2024

Pre-University Education, Classes XI and XII

Presidency PU College, Bengaluru, Final Grade: 85.17%, January 2018

LANGUAGES

- English: Full Professional
- Hindi: Native/Bilingual
- Kannada: Limited