

Mkrtych Oganyan

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PROFESSIONAL SUMMARY

AI Architect at Synechron with 23+ years in software engineering. Embeds with domain experts, audits operating workflows and constraints, and leads AI-enabled systems from discovery through production adoption across financial reporting, regulated Medicare, and payments. Ownership spans domain discovery, architecture, hands-on implementation, integration, evaluation, deployment, production hardening, and adoption.

CURRENT	AI Architect at Synechron
LOCATION	Glendale / Los Angeles, California
AUTHORIZATION	U.S. citizen; no sponsorship required
EDUCATION	B.S. Electrical Engineering and Computer Science, Cal Poly Pomona

CORE CAPABILITIES

Forward-deployed engineering	Domain immersion / Workflow audit / Constraint discovery / Stakeholder alignment / Solution ownership / Adoption / Production feedback
Architecture	AI platforms / Distributed systems / Service boundaries / Domain modeling / Enterprise integration / Digital transformation
Core engineering	Java / Spring Boot / Spring AI / Python / REST APIs / Kafka / RabbitMQ / Security / Testing
Applied AI	OpenAI / Anthropic / Claude Code / Vertex AI / RAG / PGVector / Chroma / Ollama / Structured outputs / Evals / Agent workflows
Cloud and data	AWS / GCP / Azure / Docker / Kubernetes / Ansible / PostgreSQL / MySQL / SQL Server / MongoDB / InfluxDB

PROFESSIONAL EXPERIENCE

AI Architect / Lead Engineer

Synechron / Everi-IGT Platforms AI initiative

Jan 2026 - present

Operate as a forward-deployed AI architect: learn financial reporting and banking operations with domain experts, then lead architecture and delivery of the automation platform across Java, Spring AI, Python-supported validation, agents, and deployment automation.

- Audited financial-reporting workflows, source formats, reconciliation controls, and operational handoffs before translating them into automated services and AI-assisted workflows.
- Own technical direction while remaining hands-on in APIs, service logic, persistence, validation, integration workflows, tests, and production hardening.
- Built a context-first engineering model for Codex, Claude Code, and GitHub Copilot using source evidence, knowledge bases, agent instructions, and validation loops.
- Hardened ISO 20022 and BAI2-style processing, SFTP and bank-report integrations, tie-out pipelines, duplicate detection, and downstream REST APIs.

AI Lead Engineer / Senior Software Engineer

Cognizant / Elevance Health Medicare digitalization

Jun 2025 - Dec 2025

Embedded in the Individual Medicare plan lifecycle, audited how plans are built and marketed, and led the AI-enabled transformation across Java/Spring services, Python-supported workflows, healthcare rules, and digital integrations.

- Supported expansion of plan-production scope from four to 372 Individual Medicare plans during the 2025 engagement through source-grounded automation, domain-rule validation, traceability, and human review.
- Designed patterns for extracting, organizing, validating, and operationalizing healthcare plan information.
- Established source-grounded guardrails to reduce hallucination risk and preserve regulated-domain correctness.

Senior Software Engineer

Deloitte Consulting / BMO / Walmart / American Home Insurance

May 2022 - May 2025

Delivered banking, payments, retail optimization, insurance, mobile integration, and AI-assisted enterprise modernization programs.

- Learned BMO payment-processing operations and built a new processing engine spanning debit and credit workflows, payment integrations, geofencing, suspicious-activity detection, and mobile-facing transaction APIs.
- Led AI-integrated delivery-optimization microservices and Kafka data pipelines for Walmart store operations.
- Architected authentication and integration modules and delivered a new insurance line-of-business product ahead of schedule.

Senior Software Engineer

TSS Wireless / Transportation and IoT

Sep 2019 - May 2022

Modernized dispatch systems into event-driven Spring Boot services with real-time tracking, streaming telemetry, and mobile field operations.

Lead Project Development Engineer

Bridge Entertainment / Epoll / SaaS and cloud modernization

Aug 2015 - Sep 2019

Owned architecture, implementation, AWS migration, deployment automation, and production support for high-volume SaaS and survey platforms.

Lead Development Engineer

Lakeshore Learning Materials / B2B marketplace

Jul 2013 - Sep 2015

Led B2B marketplace delivery and migrated legacy .NET capabilities into Java/J2EE and Spring applications.

Senior Software Engineer

MTS Integratrack / MVNO telecom platform

Jul 2008 - Jul 2013

Built carrier-integrated activation, refill, provisioning, and account platforms; contributed to capabilities used by millions and approximately 200x customer growth over four months.

Software Engineer

PFI Software / Construction management software

Jan 2003 - Jul 2008

Developed secure enterprise Java web applications, custom JSP components, servlets, JDBC persistence, and distributed-team workflows.

PROFESSIONAL PROFILES [LinkedIn](#) [GitHub](#)