

SHINYA KOYAMA

Software Engineer | Backend, Full-Stack & AI-Driven Development

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer with a data engineering background spanning full-stack products, cloud infrastructure and fintech. Translates business requirements into architecture and implementation across services, data and deployment. Integrates AI into planning, development, testing and review with human engineering judgement and validation.

TECHNICAL SKILLS

Languages	TypeScript, Python, JavaScript, SQL, Solidity
Backend & Web	Node.js, NestJS, Flask, PostgreSQL, REST APIs, Microservices, Temporal, React, Next.js
Data & Analytics	BigQuery, Redshift, ETL, Data Warehousing, Tableau, Redash, Looker Studio
Cloud & Infrastructure	AWS, GCP, Kubernetes, Docker, Terraform, Pulumi, Linux
AI Development	Agentic Workflows, AI-Assisted Engineering, Context Management, Workflow Automation
Domains	Fintech, Payments, Blockchain, Smart Contracts, Stablecoins, Gaming, E-commerce

PROFESSIONAL EXPERIENCE

Founding Engineer / Senior Software Engineer | DigiClass Jun 2026 - Present

- Partner with founders to translate business requirements into product specifications, architecture and engineering plans for an asset-tokenisation platform connecting issuers and investors.
- Lead digital asset and blockchain engineering, building backend services, APIs, data flows and frontend integrations while preparing infrastructure and deployment for launch.
- Establish AI-driven development workflows across research, planning, implementation, testing and review, defining where human judgement, AI delegation and verification are required.
- Organise product requirements, architecture decisions and engineering conventions into reusable context for engineers and AI agents, supporting documentation and internal automation.

Software Engineer | FSCO / Full-time Oct 2024 - Jun 2026

- Delivered fintech and blockchain solutions across 3+ requirements-to-POC cycles, defining backend architecture, service boundaries and APIs for payments and digital assets.
- Designed and deployed an on-chain event-monitoring microservice processing 500+ daily blockchain events with sub-second detection and notification latency.
- Introduced Temporal for financial transaction orchestration, replacing ad-hoc retry logic with durable workflows and establishing a reusable approach to workflow reliability.
- Established AI-assisted development practices across a five-person engineering team, integrating planning, implementation, review and debugging while standardising documentation workflows.

Data Engineer | Mint Town / Contract May 2023 - Sep 2024

- Built an on-chain analytics platform processing 10K+ daily transactions across three game titles, with ETL pipelines, a BigQuery warehouse and fraud and player-economy dashboards.
- Automated GCP ingestion workflows, reducing reporting latency from hours to near-real-time for an eight-person operations team.

Engineer | Thirdverse / Contract Oct 2021 - May 2023

- Built AWS/Redshift analytics infrastructure spanning two VR game titles for 20+ stakeholders, collaborating with engineering and business teams in the US and Japan.

Software Engineer / Data Analyst | ROX Dec 2020 - Jul 2022

Part-time alongside studies

- Built AWS/GCP automation and ETL pipelines for e-commerce analytics across three product categories, contributing to a campaign that doubled monthly sales.

SELECTED PROJECTS

Servo Hero / In development - Building a full-stack petrol-price application spanning data ingestion, backend/database, web and iOS applications, and deployment, using AI-assisted planning, implementation and validation.

Hermes Agent Setup - Built a portable AI-agent development environment centralising tooling, configuration, instructions and agent context for reproducible setup and migration across machines.

EDUCATION

Bachelor of Information Technology (Computer Science) | Queensland University of Technology

Completed 2023 | GPA: 6.5 / 7.0