# Sanzhar Nussipbek

+852 5660 3210 | sanzharnussipbek@gmail.com | kindageek.dev

### Profile

Full-stack software engineer with 5+ years of extensive experience in FinTech, AI, Blockchain, B2C, and B2B. Skilled in building data-driven web applications, Web3 and AI apps. I design, architecture and deliver scalable, user-friendly, and discoverable applications based on business constraints. In development, I pay special attention to clear business communications, team processes, project risks, iterative approach, transparent estimation and decomposition.

# EXPERIENCE

# Senior Software Engineer

Jan 2023 - Present

VSystems

Hong Kong

- Led the development of decentralized multi-chain Web3 applications for the DeFi Protocol with a TVL of US\$1M and volume of US\$7M.
- Designed and developed an AI answer engine web application for financial analytics with sentiment analysis, citation mapping, and chatbot.
- Implemented a hybrid authentication approach with symmetric and asymmetric encryption for Tokenization-as-a-Service API allowing clients to use service's API endpoints securely.
- Introduced Agentic coding guidelines using AI copilots for a product team increasing team efficiency and product release lifecycle.

Staff Engineer Jul 2022 – Jan 2023

ParallelChain Lab

Hong Kong

- Designed and built scalable transaction explorer web apps for a proprietary Layer-1 blockchain ecosystem allowing uninterrupted connection to thousands of users and nodes.
- Increased average daily user count by 250% by rebuilding brand website with latest tech stack focusing on SSR, SSG, 3D graphics, and targeting SEO improvements.
- Contributed to a cross-platform blockchain wallet mobile app with KYC verification service.

#### Software Engineer

Jul 2020 – Jul 2022

DAR Tech

Almaty, Kazakhstan

- Contributed to a video library and online stream player modules of an Online Movie Streaming Service web application used by 10,000+ users daily.
- Led the development of a brand component library hosted as an npm package facilitating consistent design system in company's internal applications.
- Developed an employee management HRTech solution as a microfrontend module utilizing BFF architecture.

### EDUCATION

Master of Science in Finance (FinTech and Financial Analytics)	Hong Kong Baptist University
Investment Management, Algo-Trading, Derivatives, Python, Machine Learning	Hong Kong
Bachelor of Science in Computer Science	Hong Kong Baptist University
Object Oriented Programming, Database Management, Cloud Computing, Networking	Hong Kong
Exchange Semester	University of Birmingham
Functional Programming, Algorithms, Systems Programming	$Birmingham,\ UK$

# **PROJECTS**

# AI-Powered Digital Platform for Private Banking Customers

Dec 2024 - Jun 2025

Standard Chartered Bank

Hong Kong

- Collaborated with the FinTech team from Standard Chartered Bank (Hong Kong) to deliver business analysis report on a new wealth management AI product for HNWI.
- Conducted market research, customer profiling, and competitor analysis in digital wealth management space, providing unique value proposition and scalable GTM strategy.
- Analyzed landscape of AI solutions by comparing different proprietary and open-source LLM models, hosting, pricing choices and providing clear solution proposal based on business requirements.

#### SKILLS

Languages: TypeScript, JavaScript, Python, Go, SQL, HTML, CSS.

Frontend: React, Next.js, Vue, Nuxt, React Native, Expo, Vite, NextAuth, SupabaseAuth, tRPC, Prisma, WebSocket, Axios.

Backend: Node.js, Express, NestJS, REST, Swagger, OpenAPI, GraphQL, Apollo, MySQL, PostgreSQL, MongoDB.

UI/UX: TailwindCSS, MaterialUI, Radix UI, Three.js, Figma, Storybook, BEM.

State & Testing: Redux, RTK, Zustand, Pinia, TDD, E2E, Jest, RTL, Vitest, Cypress, Playwright, Chromatic.

Dev Tools: Git, CI/CD, GitHub Actions, Git Flow, AWS, Docker, NPM semver, AI Agents, Cursor, Copilot.

Soft Skills: Project Management, Leadership, Estimation, Mentoring, Business Analysis.