

Jee-eun Kang

Full-Stack Engineer (Frontend-focused) | Relocating to Norway spring 2027 — full work rights from day one, no sponsorship required

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SUMMARY

Full-stack engineer, frontend-first: 5+ years building enterprise web applications, the last 2+ as sole owner of the frontend of a Korean fintech-domain platform — responsible for financial-calculation correctness, RBAC, and Keycloak/Auth.js authentication in production. Full-stack across Spring Boot/Java domains, GitHub Actions CI/CD, and Docker/Kubernetes (Azure AKS) operations. BSc Computer Science completing Aug 2027.

TECHNICAL SKILLS

Frontend: TypeScript, React, Next.js, Node.js, Tailwind CSS, Jest, React Testing Library, Playwright, MSW

Backend: Java, Spring Boot, REST APIs, PostgreSQL, QueryDSL, Spring Data JPA

Platform: Docker, Kubernetes (AKS), GitHub Actions, ArgoCD, Nginx, Pino logging, Grafana Loki

Practices: TDD, E2E testing, CI/CD design, Agile sprint planning, AI-assisted engineering

PROFESSIONAL EXPERIENCE

Frontend Engineer — PM International Korea | Seoul | 2024–Present

- Sole frontend developer on an enterprise Next.js 15 + React 19 platform reconciling real-money bonus payouts (14 business domains); built a dedicated test layer guaranteeing financial-calculation correctness — 85%+ coverage across a library of 137 components and 87 custom hooks, zero-error TypeScript strict + ESLint gate
- Implemented and hardened the production login flow integrating Keycloak with Auth.js (OIDC), and maintain the frontend of the platform's role-based access control system; contributed RBAC batch operations and audit logging to the Spring Boot authorization service
- Own the frontend delivery pipeline end-to-end: multi-stage GitHub Actions CI/CD (lint → typecheck → build → unit/E2E → security scan → ArgoCD) deploying to Azure AKS; optimized the Next.js Docker build **8 minutes → 90 seconds** (published technical write-up)
- Root-caused 3 production AKS incidents (gateway JWT-validation outage, health-probe hang, container uid mismatch) and verified a live VM→AKS domain cutover
- Implemented a Spring Boot financial domain (immutable-entity/mutable-domain pattern protecting a read-only journal) with an 80%+-coverage TDD test suite
- Built a custom AI-assistant configuration encoding project conventions and guardrails after a failed large-scale AI-driven refactor; now runs multi-agent AI code review (reviewer, architect, security) as a pre-implementation design gate — and managed 6+ concurrent outsourcing projects end-to-end (payment-gateway, ERP, compliance)

Frontend Developer — Freelance | Seoul | 2024

- Built 15 embedded web/mobile pages for a governmental electronic-textbook project using custom components, Shadow DOM, and SVG-heavy interactive content

Web Developer — Brainz Company | Seoul | 2020–2023

- Built EMS admin pages and 30 widget-based dashboard/topology components with advanced visualization (Highcharts, D3, Three.js, Cytoscape)

EDUCATION & LANGUAGES

BSc Computer Science — Korea National Open University | completing Aug 2027 · Coursework: Operating Systems (92), Cloud Computing (92), Machine Learning, Databases

BA Social Science & Spanish Literature — Hankuk University of Foreign Studies (HUFS) | graduated 2020

Languages: Korean (native), English (C1), Spanish (DELE C1), Norwegian (learning)