# Jeong Yun's Resume

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## EDUCATION

**KwangWoon University, B.S. in Computer Science and Engineering**, GPA: 3.67 / 4.5 *Mar 2020 - Feb 2025*
**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Systems

Backend Engineer driven by solving complex performance bottlenecks, with proven experience optimizing production systems and ensuring data integrity in real-time environments.

## TECHNICAL SKILLS

**Backend & API:** Spring Boot, JPA, Node.js, Express.js, REST API Design
**Programing Language:** Java, JavaScript, Python, C++
**Database:** MySQL, PostgreSQL, Redis
**Cloud & Deployment:** AWS (EC2, S3, RDS, CloudFront, ALB, Route53)

## WORK EXPERIENCES

**Podo Store —** Story IP Trading Platform
*Backend Engineer* | Spring Boot, JPA, MySQL, Redis, AWS *Apr 2024 - Present*
- **Architected and deployed** a production-grade IP trading platform, serving **2,500+ cumulative active users** over one year.
- **Reduced average response time by 11%** for large PDF downloads by implementing **StreamingResponseBody**.
- **Optimized database performance** and reduced read load by implementing **Redis caching and batch query optimization** for high-traffic endpoints.
- **Improved system stability** by resolving memory leaks and transaction deadlocks through **JPA boundary refinement and OSIV deactivation**.
- **Independently developed** core backend features, including RESTful APIs for contract automation, search indexing, and secure user authentication.
- **Selected for university startup programs** (Campus Town, Student Startup Initiative), demonstrating validated market demand and growth potential.

**Podo Ticket —** NFC-based Ticketing Service
*Backend Engineer* | Node.js, Express.js, MySQL, WebSocket, AWS *Oct 2024 – Jul 2025*
- **Architected and deployed** a real-time NFC-based ticketing platform covering issuance, validation and administration.
- **Improved real-time performance** by migrating from REST polling to **WebSocket-based communication**.
- **Eliminated transaction deadlocks** by refining locking strategies and optimizing complex queries.
- **Improved system throughput** by tuning query execution and connection pooling, achieving **23% faster on-site issuance** and **6% faster pre-booking speed**.

## PROJECTS

**Kwangwoon University Student Platform —** Capstone project
*Backend Engineer* | Spring Boot, JPA, MySQL, Redis *Aug 2024 – Dec 2024*
- **Developed core backend services** for a university collaboration platform with secure email-based authentication.
- **Reduced unnecessary database reads** by introducing **Redis-based caching** for email verification.
- **Automated team recruitment workflows** using **Spring @Scheduled** for deadline-driven state transitions.
- **Delivered MVP features** including portfolio management and structured team collaboration.

**Dogether —** Blaybus App Development Challenge
*Backend Engineer* | Spring Boot, JPA, MySQL, Redis *Jan 2025*
- **Developed backend services** for a gamification platform supporting development competitions, including performance tracking and leaderboards.
- **Designed a quest and XP system** using Enum-based domain modeling to enforce type safety and valid state transitions.
- **Implemented Redis-backed email verification** with TTL caching to optimize authentication performance.
- **Automated API documentation** using **Swagger**, preventing contract mismatches during rapid development cycles.

## LANGUAGES

**Korean —** Native
**English —** Professional Proficiency (OPIc IH)