Sydney, NSW
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Harry Park

harrypark.dev
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Skills

- Language: Java, Python, Javascript
- Front-end: React.js, Next.js, Tailwind CSS
- Back-end: Spring, JPA, NestJs, Prisma, PostgreSQL, Redis, Kafka, RabbitMQ
- Infrastructure: AWS(S3, EC2), Docker, Vercel

Work Experience

Software Engineer Intern | **Link Australia** | **Sep 2024 – Dec 2024**
e-Learning Platform team | Sydney, NSW (Remote)

- ReactJs | NestJs | TypeORM | PostgreSQL | JWT | Streamable | Vercel | Heroku
- Reduced lecture sharing time by 90% by developing an in-house e-learning platform, replacing manual link distribution with an automated system that efficiently provided students with instant access to learning materials.
- Enhanced accessibility across devices by implementing a fully responsive design, ensuring seamless user experience on tablets, laptops, and other screen sizes.

Education

The University of Sydney | Sydney, NSW | **2018 - 2024**

- B.Comp. Computer Science
- Capstone Project: High Distinction (93/100)
- Relevant Courseworks: Distributed Systems, Scalable Data Management, Algorithm Design

Projects

Coupon Issuance System | **Jan 2025**

- Developed a scalable coupon issuance system using Spring Boot, Kafka, and Redis in a microservices architecture.
- Implemented an event-driven architecture, Redis-based caching, rate limiting, and distributed locking to ensure performance and data consistency.
- Secured RESTful APIs with JWT authentication, applied Resilience4j Circuit Breaker for fault tolerance, and conducted unit and performance testing with JUnit, Mockito, and JMeter.
- Github repository: github/hjparrk/promotion-spring-boot

RenoPilot Web Platform (Capstone Project) | **Aug 2023 - Dec 2023**

- Developed a web platform for renovation resources using Node.js, Express, and Prisma, ensuring secure and efficient data handling.
- Optimised code through refactoring, increasing reusability and reducing total source code length by 30%, while improving maintainability and testability.
- Implemented a CI/CD pipeline in Bitbucket with automated testing, achieving 80%+ test coverage using Jest for early bug detection and system reliability.