

# Ander Wang

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## Backend Engineer

Backend engineer with 6 years of experience designing scalable, high-performance systems in distributed, cloud-native environments. Specialized in Java, Spring Boot, and AWS, with experience in optimizing system performance, improving resource usage, and leading cloud migrations. Focused on delivering secure, production-grade code and willing to stay long-term to contribute meaningful impact within an enterprise.

## Experience

**Software Engineer**, Geminidata – Taipei, Taiwan Aug 2020 – Present

- Architected system performance tuning across P50, P95, and P99 latency metrics by improving critical paths, resolving bottlenecks under bursty loads, and reducing long-tail latency under edge-case conditions
- Architected scalable, resilient GraphQL and RESTful graph APIs for multi-tenant Neo4j services, delivering advanced features including search, multi-condition filtering, typeahead autocomplete, and mega node aggregation for large datasets
- Resolved Java memory inefficiencies by analyzing heap dumps, tuning JVM GC/thread pool parameters, and eliminating excessive I/O thread retention, reducing peak heap usage and preventing memory leaks in production workloads
- Led cloud migration by modernizing legacy on-premises monolithic applications into cloud-native microservices on AWS EKS, containerizing workloads with Docker, deploying via Helm and Terraform, and reducing Docker image size by 60% through multi-stage builds, significantly cutting build times and aligning with AWS Well-Architected Framework pillars of performance efficiency, cost optimization, and operational excellence
- Improved code security and quality by refactoring legacy Java codebases following SOLID principles, implementing Oracle Secure Coding Guidelines, and scanning for vulnerabilities with Aqua Trivy across Java dependencies, Dockerfiles, and Helm charts

**Software Engineer**, Change Healthcare – Taipei, Taiwan Nov 2018 – Jul 2020

- Architected data quality validation frameworks for data pipelines in Java on AWS (Glue, S3, Lambda), ensuring reliable and accurate data delivery

**Backend Engineer**, Watter Tech – Taipei, Taiwan Apr 2018 – Sep 2018

- Researched and implemented optimized density-based clustering algorithms in Scala on Apache Spark to analyze daily user behavior and trajectories, enabling the identification of safety zones for mobile users
- Optimized data ingestion by designing a geographical grid-based method, reducing data volume by 80% without compromising precision on trajectory maps

## Skills

**Languages:** Java, Python

**Database:** MySQL, Redis, Neo4j

**Technologies:** Spring Framework, Kubernetes, Amazon Web Services

## Education

**National Sun Yat-sen University**, BS in Management and Information System 2015