Edward Joon-Hyuk Chang

edwardjhchang@gmail.com | LinkedIn | GitHub | 310-405-9411 | Dallas, TX 75231, United States

SUMMARY

Results-driven **Software Engineer** with 4 years of experience delivering high-impact solutions that enhance user experience and operational efficiency. Skilled in designing **scalable systems**, optimizing **database performance**, and collaborating effectively across cross-functional teams. Strong communicator with proven ability to lead projects and innovate within fast-paced environments.

EXPERIENCE

Software Engineer, Product / Pixelic, Inc. | Remote in San Francisco, CA

Feb 2025 – Apr 2025

- Built and optimized CRM features such as bulk importing contacts.
- Spearheaded collaboration with Imweb (site builder SaaS) to create an integrated app for Spread (email campaign service), resulting in 31 new registrations within the first week of launch. Scope included OAuth integration, automated data synchronization with data from external APIs, optimizing database queries, and managing Stripe subscription data metadata.

Full Stack Software Engineer / Remember & Company | Seoul, South Korea

Sep 2022 – Oct 2023

- Redesigned a scalable asynchronous processing system for enterprise data, reducing runtime by over 90% via batch processing and parallel task execution.
- Developed backend RESTful APIs and ReactJS, NextJS frontend for new customer-facing job board, hiring solutions, and Big Data Center data features.
- Implemented cloud infrastructure using AWS ECS on EC2 and Terraform, improving system reliability.

Backend Software Engineer / Watcha | Seoul, South Korea

Oct 2021 – Aug 2022

- Designed and implemented RESTful APIs for W-Algorithm, a content recommendation system that increased average content savings by 28% and playtime per user by 35% within one month post-launch.
- Collaborated on personalized feed creation leveraging the recommendation engine.
- Optimized database queries and caching strategies, reducing API response times by 65% during peak traffic.

Backend Software Engineer / Mozzet | Seoul, South Korea

Aug 2020 – Oct 2021

- Led development and launch of a recommendation feature using ElasticSearch bool queries with scoring and Redis, boosting sales by 8% within one month.
- Restructured complex user matching process involving ElasticSearch, reducing processing time by 30% using partitioning and asynchronous processing.
- Developed admin-to-user chat feature utilizing Strophe.js (XMPP library), enabling direct admin-user engagement.

EDUCATION

University of California - Los Angeles (UCLA)

Bachelor of Science (some college), Computer Science

Sep 2015 – Jul 2020

GPA: 3.79

SKILLS

Programming Languages & Frameworks: Ruby, Ruby on Rails, Sidekiq, SolidQueue, Go, Java, Python, Django, FastAPI, JavaScript, TypeScript, Node.js, React, ReactJS, Redux, Next.js, TailwindCSS, HTML/CSS

Databases & Storage: PostgreSQL, Postgres, MySQL, Redis, ElasticSearch, DynamoDB, GraphQL, NoSQL

DevOps & Cloud: Docker, Terraform, AWS, EC2, ECS, Lambda, SQS, S3, CLI, CircleCI, Heroku, Cloud Infrastructure, CI/CD

Tools & Technologies: Datadog, Sentry, Jenkins, GitHub, GitHub CoPilot, Cursor, v0.dev, Perplexity, Gemini, ChatGPT, IntelliJ, Jira

Concepts: Distributed Systems, API Design, User Authentication, System Automation, Scalability, Asynchronous Processing, Data Pipelines, Debugging, SOLID Principles, Factory Design Pattern, Strategy Design Pattern, Microservices, SaaS, IaaS, Testing, Unit Testing, Integrated Testing

Methodologies: Agile, Scrum, Kanban, Project Management, Collaboration, Mentorship

Soft Skills: Problem-solving, Communication, Innovation, Consistency, Empathy, Compassion

LANGUAGES

English (Fluent), Korean (Fluent)

AWARDS

Presidential Volunteer Service Award

Corporation for National & Community Service

Oct 2016

ADDITIONAL INFORMATION

- Authorized to work in the U.S. for any employer (U.S. citizen)
- Available to start immediately
- Left Watcha and Pixelic early due to company-wide downsizing and financial constraints, including departures in senior leadership (CTO, co-founders).