Jason Park

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Senior Fullstack Software Engineer with 15 years of experience leading and scaling distributed systems at Stripe, Amazon, and startups. Proven ability to drive technical innovation, enhance developer experience, and build high-performance systems that improve reliability, security, and business impact at scale.

Experience

Senior Fullstack Software Engineer @ Stripe, Remote (Irvine, CA)   6/2022 - 2025

- **Tech Lead** for a project that scaled Stripe's fraud protection system, expanding supported payment methods by **50x**. Led the initiative from ideation to technical design and development, culminating in a **successful alpha/beta launch screening $10MM+ in transactions per day** and **reducing fraud rates by 30%+** on major payment methods. **(Java, Ruby, TypeScript, React, GraphQL, gRPC)**
- Designed and integrated a **vision ML-based web app**, specifically a **card image verification application**, into the Stripe ecosystem. The application screened fraudulent attempts using fake cards, significantly enhancing security. Conducted a **full UX/UI overhaul** and ran **A/B tests** that **increased engagement by 20%. (Node.js, TensorFlow.js, TypeScript)**
- **Awarded org-level recognition** for entirely rewriting frontend developer experience setups. Replaced all manual dev steps with scripts/commands; moved all system variables to env variables via commands. **Reduced dev ramp up time from days to minutes**.

Senior Software Engineer @ Amazon, Seattle/London   11/2016 - 6/2022

- Spearheaded cross-functional initiatives to optimize website latency, generating **$30MM+ in annual revenue gains. (JavaScript, performance profiling, Java)**
- Reduced API service traffic by **60%** and cut hardware costs by **$3M+** annually through strategic caching optimizations. (Java, Memcached)
- Led a team of **5 engineers** in enhancing the retail website experience for non-Prime customers, overseeing **architecture, technical designs, and backend service deployment**, significantly improving engagement.

Full Stack Developer as Freelance, Seoul (S.Korea)   3/2015 - 10/2016

- Developed two API services and two content management systems for mobile apps used by multinational clients. **(Node.js, React.js)**
- Built **three educational JavaScript-based online games** for UK local councils.
- Designed and deployed **a local community platform** using **Node.js, React.js, GraphQL, Redis, AWS.**

Full Stack Developer @ LateRooms.com, Singapore   8/2014 - 2/2015

- Modernized the **account management service** on a Node.js stack, improving user acquisition rates.
- Enhanced system architecture to support multiple brands, increasing code reusability.

IT Consultant @ Avanade, Singapore   5/2012 - 8/2014

- Led a team of **10 engineers** in delivering a **1000+ manday project** for the **Inland Revenue Authority of Singapore (IRAS)**, designing an online corporate income tax filing system on the **.NET stack**.

Education

University of Auckland, Auckland (New Zealand)

- Master of Engineering (Hons.) in Software Engineering   2008 - 2009
- Bachelor of Engineering in Software Engineering   2004 - 2007

Awards

- Amazon - 9th place (out of 234 teams) in Fraudulent Returns Detection ML competition   2021

Technical skills

- **Languages & Frameworks:**
  - Frontend: TypeScript, JavaScript, Node.js, React.js, HTML5, CSS3
  - Backend: Java, Ruby, Kotlin, Python
- **API & Communication Protocols:**
  - GraphQL, gRPC, REST
- **Cloud & DevOps:**
  - AWS, Docker, Terraform
- **Databases, Streaming & Caching:**
  - PostgreSQL, Pinot, ElasticSearch, Redis, MemCached, DynamoDB, Kafka
- **Machine Learning:**
  - TensorFlow.js, Python (Pandas, NumPy, Scikit-learn)