Hayden Hong

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Experienced software development engineer II (SDE II) specialized in designing, implementing, and optimizing scalable backend systems and developer tools at Amazon. Demonstrated success in enhancing user experiences, improving developer productivity, and mentoring technical teams. Expertise includes Java, AWS infrastructure, and modern web technologies.

Skills

- **Languages & Frameworks:** Java, React, Next.js, SwiftUI
- **AWS:** Lambda, DynamoDB, ECS, EC2, comprehensive AWS ecosystem
- **Development Practices:** CI/CD pipelines, automated testing, distributed systems, serverless architecture

Work Experience

Amazon   **SDE II June 2020 – Present**

- **Alexa+ Order Tracking:** Designed and implemented generative and agentic AI-powered features for order searching and shipment tracking, enhancing customer interaction and service responsiveness.
- **Alexa Delivery Notifications:** Developed resilient, high-traffic backend services, supporting thousands of requests per second, enabling real-time delivery updates for Alexa users.
- **Code Consolidation:** Led a significant refactoring effort, simplifying backend architecture by consolidating APIs, reducing duplicated code, and accelerating feature delivery timelines from 3 months to 2 weeks.
- **Developer Tooling & CI/CD:** Built and maintained automated continuous integration and deployment systems, reducing config-driven system testing and deployment from 2 days to 1 hour. Designed workflows managing cross-team dependencies and approvals.
- **Mentorship & Leadership:** Actively mentored junior engineers, participated in strategic roadmap planning, and advocated effectively for team interests within the organization.

Education

University of Washington, Seattle   **B.S. in Informatics, 2020**

- Focused on application and server development.
- Completed a capstone project developing a social media iOS application with Firebase backend integration.

Personal Projects

Convertify iOS App   **2019 - 2023**

- Developed and launched an open-source SwiftUI iOS application to convert Spotify playlists, achieving over 30,000 downloads on the App Store.

Portfolio Website   **2021 - Present**

- Built a Next.js website using MDX, hosted on Vercel with Cloudflare DNS.
- Incorporated analytics for insights on visitor engagement.