Christopher Haas | Software Engineer

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SUMMARY

Software Engineer with 5 years of experience in full-stack development across enterprise and startup environments. Currently optimizing high-traffic java-based systems in the AWS ecosystem handling millions of transactions for the configuration of L4 networking products, with a passion for building scalable, high-performance solutions.

SKILLS

Programming Languages: Java, Python, Ruby, SQL, Bash, Swift, React Native, HTML/CSS, Typescript, JavaScript, Liquid
Tools & Platforms: AWS ELB, EC2, Cloudformation, IAM, Cloudwatch, S3, Route53, RDS, QLDB, Git, Heroku, Expo, Redux, Rails, XCode, Firebase, Shopify, MySQL, Redis, Google Analytics, Stripe

WORK EXPERIENCE

Software Development Engineer @ AWS - Network Load Balancing Control Plane Team

April 2022 – Present | Seattle, WA

Tech Stack: Java, Spring, Python, QLDB, localMySQL, CloudWatch, Bash, AWS

- Adapted and zonally isolated the existing NLB deletion logic to mitigate risks during rollout while also expediting delivery in order to meet a critical customer deadline for a highly anticipated feature allowing users to remove availability zones from their NLBs, ultimately enabling customers to reduce operational costs and overhead of maintaining unused resources.
- Transformed a beta feature's design and acted as the team's sole developer of a new workflow for NLB on-demand capacity reservation, allowing enterprise customers to preemptively secure network bandwidth for high-traffic events. Collaborated with internal dependency services to iterate through the various constraints of handling large provisioning orders and escalated key design changes to product management to craft a viable customer experience ahead of the official launch at AWS Re:Invent conference 2024.
- Led the design and served as the team's sole implementer of AWS Route 53's ARC Zonal Shift integration for NLBs, enabling seamless traffic redirection by availability zone—adopted by over 500K NLBs. Coordinated with five teams to deliver a rollout plan involving a backfill and migration of hundreds of thousands of users to an opt-in model with an automated monitoring and rollback system triggered in the event customer behavior regression detected.
- Built a resource auditor which identified $1M ARR in leaked resources. Designed a cleanup mechanism to release unused resources while guaranteeing 100% safety to inflight production workflows.
- Diagnosed and resolved issues in high-pressure, ambiguous situations - requiring advanced on-the-spot debugging and root-case analysis –while also working to address systemic and noisy issues that previously generated 100+ weekly pages which now averages less than 35.
- Led the testing and enablement of 12 public-facing features and multiple internal service upgrades in government-isolated regions, ensuring compliance, observability, and code parity across all deployments while adhering to strict change management protocols.
- Organized and optimized CI/CD pipelines using Cloudformation and CodeDeploy for over 100 deployment stages across 20+ internal services, balancing rapid software delivery with safety by isolating complex environments and ensuring smooth rollouts.

Tech Consultant and Founding Member @ Old Salt Coffee Company

August 2020 – Present | Remote

Tech Stack: HTML/CSS, Javascript, Liquid, AWS S3, Heroku

- Designed, developed, and provided technical guidance for the e-commerce platform using Shopify's Liquid language, supporting an average of $25k+ in monthly sales.
- Engineered, optimized and automated our sales pipeline, seamlessly integrating order fulfillment across multiple sales channels, the e-commerce platform, and partner integrations to ensure accurate and efficient delivery by various fulfillment partners.

EDUCATION

B.S. in Information Systems, B.S. in Civil Engineering @ Carnegie Mellon University

May 2021 | Pittsburgh, PA

Minor in Business Administration | Elected varsity football team captain

PROJECTS

voll-e - Pickup Game Team Generator Cross-Platform App

Tech Stack: Typescript, React Native, CSS, Expo

- Pair programmed with Cursor AI using GPT5 and claude-4-sonnet to explore latest model capabilities and limitations in a real-world setting.
- Built a React Native mobile and web app with Expo to help generate balanced teams based on locally persisted player's skill level for summer volleyball league.
- Implemented persistent local storage with AsyncStorage for a cost-free, maintainable infrastructure and published on the Apple App Store.