Max Dykhuizen

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EXPERIENCE

Scale AI   **San Francisco, CA**
Software Engineer   *December 2023 — December 2024*
- Architected and launched the contributor marketplace platform using AWS Kinesis streams and ElasticSearch, implementing real-time project matching based on contributor skills and qualifications. Achieved 100% user adoption within 3 months, resulting in improved contributor satisfaction and project completion rates.
- Developed an AI-powered resume screening system using OpenAI's API, reducing manual review time by 90% while maintaining 95% accuracy in skill assessment and project matching.
- Led the redesign of the contributor permissions framework, creating a dynamic system that automatically assigns privileges to projects based on verified qualifications. Reduced permissions-related support tickets by 85%.
- Engineered a suite of React-based operational tools focused on contributor management, including a real-time project demand dashboard and a bulk contributor permissioning tool.

Asana   **San Francisco, CA**
Software Engineer, Infrastructure   *May 2022 — October 2023*
- Spearheaded the modernization of the company's image building pipeline by migrating to AWS CodeBuild, reducing build times by 55% and build costs by 40% while improving system reliability through enhanced monitoring and automated error detection.
- Architected improvements to the internal AWS Lambda framework, enabling 200+ product engineers to independently deploy and manage serverless functions.
- Maintained high-availability services across a complex infrastructure of EC2 instances and EKS clusters as primary on-call engineer, achieving 99.99% uptime and mean time to resolution of under 30 minutes.

Software Engineer, Product   *April 2020 — May 2022*
- Led development of the Attachment Export feature for HIPAA compliance, implementing secure bulk download capabilities and audit trails for domain administrators managing sensitive healthcare data.
- Designed and implemented the Audit Logs API, enabling enterprise customers to track and analyze over 50 different events, contributing to SOC 2 and ISO 27001 certification requirements.
- Optimized domain export performance through parallel processing implementation, achieving a 20x speed improvement for enterprise customers with 100,000+ users, reducing export times from days to hours.
- Designed and delivered the self-serve user reactivation feature, automating a previously manual process and reducing reactivation-related IT support tickets by 95%.

EDUCATION

University of Michigan   **Ann Arbor, MI**
B.S.E. Computer Science, 3.97   *December 2019*

SKILLS

Programming Languages: TypeScript, Python, C++
Frameworks and Tools: AWS, Linux, React, Node, Git, Docker, Terraform, SQL, MongoDB, ElasticSearch