Jake Ferrero

Highly motivated individual with extensive experience looking for a senior software development position that will challenge and push me to become a better engineer in all aspects of the software development lifecycle.

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Experience

JupiterOne

Team Lead - Morrisville, NC   December 2023 - May 2024
- Led a team of engineers in developing and maintaining the company's largest integration
- Supported the larger integrations team by providing feedback and guidance on implementation details and best practices, as well as maintaining shared, internal Typescript and Javascript SDKs
- Worked with cross-organization teams to identify innovation; prioritize work; and set appropriate deadlines, ensuring the highest quality product was delivered on time
- Introduced new tools that significantly reduced overhead as well as the time needed to create new integrations

Software Engineer   April 2022 - December 2023
- Developed and maintained integrations written in Typescript that connected with numerous 3rd party products, allowing customers to visualize asset data and their relationships in a single graph
- Designed and developed many of the NodeJS microservices and architecture responsible for running the hundreds of integrations JupiterOne provides
- Took point as incident commander during emergencies, diagnosing the root cause; deploying fixes; and presenting mitigation strategies to the larger organization
- Identified cost saving opportunities and implemented solutions to reduce the cost of integrations, saving thousands of dollars a year
- Collaborated with the SRE team to introduce standardized observability leveraging New Relic, allowing for better insight into product health and quicker emergency response times

Genesys

Software Engineer - Morrisville, NC   December 2018 - April 2022
- Developed and maintained several cloud-based NodeJS microservices that leveraged an array of AWS services
- Built, maintained, and designed a microservice written in Typescript that allowed for rapid integration of customer applications inside the Genesys Cloud platform
- Migrated multiple services and APIs to be completely serverless, reducing cost and deployment times while maintaining millisecond response times and high availability
- Ensured the team's services were FedRAMP compliant and appropriately handled PII and sensitive data

Oracle

Cloud Development Co-op – Morrisville, NC   May 2016 - December 2016
- Developed a cloud-based platform using Golang that delivered Environment-as-a-Service to our customers
- Created GitLab Continuous Integration pipelines that reflected a production environment for testing automation

Education

North Carolina State University   August 2013 - December 2018

Bachelor's Degree, Computer Science | Minor, Japanese Language
GPA: 4.0, Rank 1

Technical Skills

- Extensive knowledge of Typescript, Javascript, NodeJS, and Git
- Considerable experience developing cloud-based microservices and serverless application stacks
- Extensive experience with Amazon Web Services; AWS Certified Developer - Associate
- Experience with Docker, Terraform, and Jenkins
- Significant experience working with infrastructure-as-code, CI/CD pipelines, and testing automation