Sean Krail

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Dynamic software engineer passionate about leveraging experience in development, devops adoption, and integration to provide users with the best experience possible.

EXPERIENCE

Jitterbit

Software Engineer III | April 2019 to Present (7 months)

Software Engineer | March 2017 to March 2019 (2 years)

- Lead engineer for modernizing our cloud infrastructure and adopting DevOps culture and best practices. Work has increased server uptime SLA from 99.5% to 99.99% since the initiative's inception.
- Develop the next generation of our integration platform with modern technologies like TypeScript, Angular, Node.js, Redis, and DynamoDB.
- Develop and manage the "Docker Agent" allowing customers, and ourselves, to run the Jitterbit on-premise agent in a portable, idempotent away. Customers are able to run the agent in a container orchestration tool like Kubernetes and Docker Swarm. Work with our sales and support engineering teams and customers to further develop features for the product.
- Containerized our monolithic backend and converted some hosted services to managed services to make our platform cloud-native in order to cut costs, increase uptime, and speed up development cycles. To achieve containerization I leveraged Docker, Kubernetes, and Helm charts.
- Modified our build and release pipeline to take advantage of continuous integration, delivery, and deployment, speeding up development and deployments. Used CI/CD tools like TravisCI, Jenkins, Octopus Deploy, and Python and Bash scripting. Investigated Spinnaker for continuous delivery and deployment.
- Evaluated and implemented logging, monitoring and alerting technologies such as Datadog, Filebeats/ELK, and New Relic APM to drive more effective system management and maintenance.

Solutions Engineer | June 2016 to March 2017 (10 months)

- Developed and deployed production-ready integration solutions for enterprise-level customers.
- Worked under our customer success department and close to our engineering team in order to meet the needs of our customers by further developing our integration platform.

University of Delaware

Research Intern | Summer 2015 and Spring 2016

EDUCATION

University of Delaware | Fall 2012 to Spring 2016

Bachelor of Science in Computer Engineering with Computer Science and Mathematics Minors