

# Sean Krail

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Dynamic software engineer passionate about leveraging experiences in owning entire software development life cycles to provide customers with the best experience possible.

## EXPERIENCE

### Amazon

**Software Development Engineer II** | October 2021 to Present

**Software Development Engineer I** | July 2020 to September 2021 (1 year 2 months)

- Owning entire software development life cycles for systems impacting over 1MM Amazon associates.
- Developed systems including latency-critical request-reply services serving customer-facing UIs and event-driven, asynchronous backend processors.
- Want to learn more? Ask me about my accomplishments!

### Jitterbit (4 years)

**Software Engineer III** | April 2019 to July 2020

**Software Engineer** | March 2017 to March 2019

- Lead engineer for modernizing our cloud infrastructure and adopting DevOps culture and best practices, which has increased our server uptime SLA from 99.5% to 99.99%.
- Full stack development of the next generation of our integration platform with modern technologies like TypeScript/JavaScript, Angular, React, Node.js, Redis, DynamoDB, and Functions as a Service.
- Develop and manage the “Docker Agent” along with its Helm chart allowing customers and internal teams to run the Jitterbit on-premise agent in a portable, declarative way in a container orchestration tool like Kubernetes or Fargate ECS. Work with customers and internal teams 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 and releases.
- Evaluated and implemented logging, monitoring and alerting technologies such as Datadog, ELK, and New Relic APM to drive more effective system management and maintenance.

**Solutions Engineer** | June 2016 to February 2017

- Developed and deployed production-ready integration solutions for enterprise-level customers.
- Submitted code fixes for bugs found in the product while developing integration solutions.

## EDUCATION

**University of Delaware** | Fall 2012 to Spring 2016

Bachelor of Science in Computer Engineering

with Computer Science and Mathematics Minors and research internships