Alan Masciangelo

Full Stack Software Engineer

A full stack developer with experience building distributed cloud applications, DevSecOps automation, and developer tooling.

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EXPERIENCE

Lockheed Martin King of Prussia, PA

Developer Tools Lead | MAR 2020 - PRESENT

- Led a kanban team focused on developer facing solutions to improve DevSecOps capabilities and organization performance.
- Maintainer of a GitLab monorepo supporting 100+ developers; achieving continuous integration and delivery for ~40+ microservices deployed via Kubernetes.
- Developed automated solutions for Docker image building, application security scanning, automated testing, api documentation generation, and automated deployments.

Site Reliability Engineer | MAR 2019 - MAR 2020

- Built a Java implementation of OpenTracing for capturing application telemetry; enabling metrics aggregation for service endpoints, transactions, and distributed tracing.
- Leveraged application telemetry to conduct root cause analysis of bottlenecks between related microservices.
- Optimized message throughput of a central api gateway service by 9x.
- Maintained an internal SaaS tool for tracking long term application and systems metrics for over 40 applications.

Application developer | OCT 2015 - MAR 2019

- Maintainer of a homegrown enterprise Java framework supporting CDI, JMS, JAX-RS, JWTs and JSON validation.
- Scrum master of a development team solving operations research problems in the Space Situational Awareness domain.
- Architected and developed computationally intensive cloud native applications.
- Refactored domain specific algorithms for distributed caching and processing, improving horizontal scalability and meeting performance requirements 3x more demanding.

Vanguard Malvern, PA

Application Development C2C Intern | Summer 2013

- Mid-tier developer working as part of an Agile team
- Designed, tested, and implement Java code for a large web application

Technologies

Docker · Kubernetes · GitLab CI/CD · ElasticStack · Java · Gradle · Spring Boot · Quarkus · JavaScript · Node.js · Python · Go

Skills

Problem solving

Holistic mindset

Critical thinking

Technical leadership

Agile + DevSecOps development

Education

West Chester University of Pennsylvania | Bachelor of Science in Computer Science | Summa Cum Laude

Interests

Brazilian jiu jitsu · Science and Technology · Video games · Nonfiction reading · Cooking