



Tim Guenthner

Software Engineer



Personal Info

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Resume Summary

Software Engineer with over 5 years of experience specializing in backend microservices. I've designed and built scalable architecture that uses cloud native technologies like Docker and Kubernetes. My greatest strength is fast technical problem solving which allows me to deliver robust solutions in a timely manner.



Experience

2018-04 -
present

Senior Software Engineer

NICE Ltd. (Mattersight Group), Austin, TX

- Scrum Lead for team of 7
- Lead engineer for group's first cloud native micro service
- Implemented service mesh via Istio
- Helped architect self hosted Kubernetes via VMware vSphere
- Migrated Continuous Integration build pipeline into AWS EKS

2016-09 -
2018-04

Software Engineer

Mattersight, Austin, TX

- Ported microservice stack from .Net Framework to .Net Core
- Validated compatibility and performance in Docker & AWS EKS
- Continued support for legacy Windows services

2015-04 -
2016-09

Senior Software Developer

Mattersight, Austin, TX

- Helped create microservice architecture to replace monolithic solution for Predictive Behavioral Routing
- Created SQL Server schema and data aggregation services used for customer success analysis and reporting
- Helped create Continuous Integration pipeline in Jenkins

2010-01 -
2014-11

Graduate Researcher

Texas A&M University, TX

- Designed and oversaw construction of Mach 5 shock tunnel
- Team lead for NASA funded undergraduate research

2009-05 -
2009-08

Civilian Intern

Air Force Research Laboratory, Kirtland AFB, NM

- Wrote custom software for infrared image post processing



Education

2010-01 -
2014-11

M.S. in Aerospace Engineering, Texas A&M University
Incomplete/All but dissertation, 3.4 GPA

2005-09 -
2009-12

B.S. in Aerospace Engineering, Texas A&M University
Minor in mathematics, 3.3 GPA



Awards

2016-01

Mattersight 2015 Partner to Sales



Skills

Agile/Scrum
Test Driven Design
Microservices
Domain Driven Design
REST API
Continuous Delivery
SQL

Skill Lvl.



Technology

C#
Python
Redis
Postgres
SQL Server
Docker/K8s
AWS/GCP
Prometheus/Grafana
ELK Stack

Skill Lvl.



Favorite References

Pragmatic Programmer
Andrew Hunt

Design Patterns
Gang of Four

Domain Driven Design
Eric Evans

The Art of Computer
Programming
Donald Knuth