



# Tim Guenthner

Software Engineer



## Personal Info

### Address

3506 Menchaca Rd, Apt 209  
Austin, TX, 78704

### Phone

817-648-9352

### E-mail

aerotog@gmail.com

### Online

aerotog.us  
github.com/aerotog  
linkedin.com/in/aerotog



## 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*

2005-09 -  
2009-12

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



## 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*