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# **Summary**\_

I'm seeking a role as a Lead Software Engineer. My career includes time as a Senior Developer and as an Engineering Manager. I've reached the conclusion that I enjoy the former more. I enjoy having my hands in the architecture, design, coding, testing, deploying, monitoring, and overall ownership of a software system. I understand that there's more to developing reliable, scalable, maintainable, and performant software systems than simply writing the code. I enjoy the team building process and helping mentor all team members as they grow and develop.

# **Summary of Skills**

**DevOps** AWS, Docker, Kubernetes, GitOps, Terragrunt, Terraform, Serverless, Jenkins

**Back-end** Spring Boot, Spring Data, Spring Web, REST API

**Agile** Scrum, Kanban, Rally **Programming** Java, Python, Kotlin, Clojure

**Languages** English, French

# **Current Work Experience - Cox Automotive, Inc.**

I was hired by Cox Automotive, then called Dealer.com, as an Engineering Manager, one of two in their Manhattan Beach, CA office. I managed engineers who were part of 2 scrum teams, a total of 7 individuals.

Prior to becoming an Engineering Manager in my career, I had been a senior software engineer, and as an Engineering Manager, I kept my hands in the code, usually by intercepting one-off requests that risked derailing my team's planned efforts. In late 2016, Cox Automotive decided to end it's engineering presence in the Manhattan Beach office. After helping to wind down the engineering effort in the office, I transitioned to an individual contributor role as a Senior Developer. In 2017 the entire Manhattan Beach office was closed, and I began working remotely as a member of a Scrum team based in Burlington, VT. Being a California based developer working with a team based in Burlington VT was difficult. After working remotely for a year I decided to relocate to Burlington, VT and work with my team in person. Moving to Burlington had two benefits, the direct, in person interaction was more fun and it led to more advancement opportunities.

### **Dealer.com** — **Platform Engineering**

Burlington, VT

SENIOR SOFTWARE ENGINEER · SCRUM TECH LEAD

July 2020 — Present

Joined new Scrum team to pursue Scrum Team Tech Lead role. Dealer.com's Platform Engineering team is responsible for several backend systems supporting Dealer.com's Websites, Advertising and Inventory systems.

### **NEW SKILLS**

- AWS: ECS/Fargate, EKS
- Containers: Docker, Kubernetes
- Infrastructure as Code (IaC): Terragrunt & Terraform

## **Dealer.com** — Agency Advertising

Burlington, VT Manhattan Beach, CA

May 2017 — July 2020

SENIOR SOFTWARE ENGINEER

Joined team as an individual contributor following the closing of the Dealer.com office in Manhattan Beach, CA. For the first year I worked remotely from CA for a VT based team. In June 2018, I moved to VT seeking to improve advancement opportunities.

The team's focus was on systems to support digital advertising at Google, Microsoft, Facebook, and Youtube. Our systems enabled advertising the inventory of our dealership clients as their inventory changed. I was responsible for the design, implementation, testing, deployment, and support of these systems.

### **NEW SKILLS**

- AWS: Lambda, API Gateway, SQS, SNS, RDS, DynamoDB, IAM, SSM, Secrets Manager, EC2, Elastic Beanstalk, Networking (vpc, subnets, security groups)
- IaC: Terraform & Serverless
- Python: async programming using libraries: trio & asks
- Kotlin

ENGINEERING MANAGER Jan. 2013 — May 2017

#### MANAGEMENT SKILLS

- Team Building, Sustainable development pace and Work/Life balance
- Regular 1-on-1 meetings and Quarterly checkins/reviews
- Hiring and Termination

#### AGILE SKILLS

- · Scrum, Kanban
- SAFe 3.0 (A Cox variant of SAFe called CAFe)

#### TECHNICAL SKILLS

- Languages: Java, Perl, Groovy
- Spring: Spring Boot, Spring Data, Spring AMQP, Spring Core Framework
- Tools: IntelliJ IDEA, maven, git, Grails

# **Previous Experience - ITG, Inc.**

## SKILLS AT ITG

#### MANAGEMENT SKILLS

- Lead technological transitions (eg. from C++ on Solaris to C++ on Win32), Launched a remote team in NYC.
- · Team Building, Team member reviews and one-on-ones, Hiring, Performance Improvement Plans, and Firing

#### DEVELOPMENT SKILLS

- Platforms: Linux, Solaris, unix, JVM, Win32, CLR
- Agile Skills: Scrum, Extreme Programming, Pair Programming
- **Development Languages:** Java, C, C++ (gcc), C#, Perl
- Development Tools: SVN, Clearcase, Eclipse, Visual Studio, Rally

## SUMMARY OF RESPONSIBILITIES

ITG Platform Tools Culver City, CA

Senior Engineering Manger Oct. 2009 — July 2011

I managed a team developing tools to monitor trading within the firm.

POSIT Now & Match NOW Culver City, CA

Engineering Manger Sept. 2004 — Oct. 2009

POSIT Now and MATCHNow in Canada were ATSs (Automated Trading Systems) for trading equities. Orders submitted to these systems were anonymous to minimize potential market impact, and trades executed by the systems were at the midpoint of the national best bid and offer.

# **Algorithmic Trading Systems**

Culver City, CA
May 1997 — Sept. 2004

Engineering Manger & Senior Software Engineer

I started as the developer of the first Algorithmic Trading System at ITG, a VWAP Server. It used the "Auto-Trading" capability of ITG's QuantEX equity trading system. I went on to lead the development of four generations of very successful Algorithmic Trading systems at ITG.

### QuantEX & Canadian QuantEX.

Culver City, CA

SENIOR SOFTWARE ENGINEERING

Oct. 1991 — May 1997

ITG's QuantEX was an Equity Trading and Analytics application on a Sun workstation. While a member of the team I had the following roles, Senior Developer, Tech Lead, and Manager. My first engineering management role was as the leader of the Canadian QuantEX development team.

# Previous Experience — TRW, Inc. \_\_\_\_\_

TRW Inc. Redondo Beach, CA

SENIOR MEMBER OF TECHNICAL STAFF

June 1985 — Oct. 1991

 $Senior\ Developer,\ C,\ SunOS/Solaris,\ worked\ on\ applications\ that\ exploited\ a\ TRW\ search\ technology\ called\ the\ Fast\ Data\ Finder.$ 

# **Education**

# Carnegie Mellon University · 🞓 cmu.edu

Pittsburgh, PA

1985

B.S. IN ELECTRICAL ENGINEERING AND MATHEMATICS

• Ecole Polytechnique Fédérale de Lausanne (EPFL.ch) — Junior year exchange program. Studied Electrical Engineering in French