

# Chip Killmar

Austin, Texas

Web: <http://chipkillmar.net>

Email: [chip@chipkillmar.net](mailto:chip@chipkillmar.net)

Voice: (512) 415-4256

## Career Objective

I'm currently employed full-time.

## Summary

I have more than 15 years of hands-on experience designing, implementing, and leading development of software systems based on Java and Microsoft .NET platforms.

I am results-oriented and have excellent problem solving, communication, and people skills. I have a strong education in computer science and multiple professional certifications.

## Work Experience

- Staff Software Engineer, [Iterable](#), Austin, Texas, March 2021 – Present
  - Platform engineer working with Scala, Kafka, Elasticsearch, and Redis
- Principal Software Engineer, [Vyopta](#), Austin, Texas, February 2018 – March 2021
  - Technical lead on a real-time streaming data pipeline for video and voice quality analytics using Spring Boot, Kafka, and Cassandra
- Staff Software Engineer, [VMware](#), Austin, Texas, November 2016 – February 2018
  - Technical lead on [VMware Cloud on AWS](#)
  - Some of the technologies used include:
    - Spring Boot, Elasticsearch, RabbitMQ, MariaDB, Artifactory, Gradle, Jenkins, Terraform, DC/OS

## CHIP KILLMAR

- Principal Software Engineer, [HomeAway](#), Austin, Texas, January 2015 – November 2016
  - Some projects I've worked on include: design and implement RESTful APIs for data access, distributed caching, rate limiting, and entity indexing and searching.
  - Some of the technologies used include:
    - Elasticsearch, Kafka, Cassandra, Storm, Dropwizard, Spring, RabbitMQ
- Senior Software Engineer, [21CT](#), Austin, Texas, November 2014 – December 2014
  - I worked on a data publishing application for [Torch](#), a big data analytics product.
  - Some of the technologies used include:
    - Vertica, Elasticsearch, PostgreSQL
    - Apache Kafka
    - Guice, Dropwizard (Jetty, Jersey, Jackson, Guava, and Logback), Spring
    - HTML5, CSS3, AngularJS and Bootstrap
- Director of Software Engineering, [Reddwerks](#), Austin, Texas, November 2011 – October 2014
  - Led Reddwerks' software engineering team and was responsible for defining and delivering product releases, software engineering operations, and product architecture.
  - Mentored other engineers, assisted our support team with customer issues, and worked on strategic initiatives such as prototyping and evaluating software tools and frameworks.
  - Some of my project work includes:
    - Developing a sortation and merge conveyor hardware abstraction and simulation library
    - Designing a reporting and ETL framework
    - MySQL partitioning, replication, and performance tuning
    - Web application development using AngularJS, jQuery, Bootstrap, GWT, and Spring

## CHIP KILLMAR

- Senior Software Architect, iTKO, Inc. [now [CA](#)], Dallas, Texas, October 2005 – October 2011
  - I worked as a product architect on [LISA](#), an automated software load and functional testing product, through three major releases.
  - Some of my project work includes:
    - Designing a product to automatically test SOAP and RESTful web services using a point-and-click UI
    - Designing a product to automatically test distributed Swing applications
    - Designing a web portal using GWT, Struts, and Jetty
- Senior Software Engineer and Team Lead, [Cisco Systems, Inc.](#), Austin, Texas, February 2004 – October 2005
  - I was the development team lead for the ProWatch Exchange enterprise web portal.
    - Developed with ASP.NET, IIS, SQL Server, Infragistics ASP.NET UI controls, NAnt, NUnit, and log4net
    - Reporting integration with MicroStrategy Web and BusinessObjects
- Senior Software Engineer, [Forgent Networks, Inc.](#), Austin, Texas, February 2002 – February 2004
  - Senior developer on Alliance Media Manager enterprise video management and automation software
- Software Engineer, [Trilogy Software, Inc.](#), Austin, Texas, January 1999 – February 2002
  - Developer on MCC E-commerce framework
- Software Engineer, [WolfeTech Corp.](#), Claremont, California, September 1997 – September 1999
  - Designed and implemented a customer website and database for wireless pagers

### Education

- [University of Texas at Austin](#), Austin, TX, Master of Science (M.S.) in Electrical and Computer Engineering, 2006 – 2007

## CHIP KILLMAR

- [Harvey Mudd College](#), Claremont, CA, Bachelor of Science (B.S.) in Computer Science, 1993 – 1999

### Skills

- Programming Languages: Java, Scala, JavaScript, C#, SQL, Python, Ruby, C++, C
- Operating Systems: Unix (Linux, HP-UX, Solaris, AIX), Windows
- Frameworks and APIs: AngularJS, jQuery, Node.js, Bootstrap, GWT, Spring, Struts, ASP.NET, Servlets, JSP, JSTL, JPA, Hibernate, JDBC, JMS, Ant, Ivy, Maven, Gradle
- Databases: PostgreSQL, MySQL, Oracle, SQL Server, Informix
- NoSQL: Elasticsearch, Cassandra, Kafka
- Source Control Systems: Git, Mercurial, SVN

### Certifications

- [Sun Certified Enterprise Architect](#)
- [Sun Certified Developer for Java Web Services](#)
- [Sun Certified Web Component Developer](#)
- [Sun Certified Java Developer](#)
- [Sun Certified Java Programmer](#)

### Honors, Awards, and Distinctions

- 2005 Cisco Team Achievement Award for Teamwork and Collaboration and Software Process Improvement, Cisco ProWatch Exchange
- 2004 Lotus Advisor Editor's Choice Silver Award, Forgent Alliance Scheduler
- 2002 Frost and Sullivan Technology Innovation Award, Forgent Alliance Media Manager
- [IEEE Computer Society](#) Senior Member
- National Merit Scholar
- Eagle Scout

### Patents

- Filed 3/19/2007: "Testing In-Container Software Objects"

## Publications

- Svetoslav Ganov, Chip Killmar, Sarfraz Khurshid. "[Test Generation for Graphical User Interfaces Based on Symbolic Execution](#)", *30th International Conference on Software Engineering (ICSE 2008)*, Leipzig, Germany, May 2008.