

Chip Killmar

Austin, Texas

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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

- Principal Software Engineer, [Vyopta](#), Austin, Texas, February 2018 – Present
 - I'm working 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
- 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.

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- 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
- 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:

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

Skills

- Programming Languages: Java, JavaScript, C#, SQL, Python, Ruby, C++, C

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- 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: MySQL, Oracle, SQL Server, Informix
- NoSQL: Elasticsearch, Cassandra
- 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.