

ANDREW LARSSON

Software Architect

📍 Draper, UT

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🌐 github.com/andrewLarsson

Languages

- C#
- C++
- PHP
- JavaScript

Skills

- Large-Scale Distributed Systems
- Enterprise Systems Architecture
- Enterprise Applications Architecture
- Enterprise Database Design
- Enterprise Domain Modeling
- Complex Problem-Solving
- Scaling to Enterprise/Carrier Levels
- Real-Time Communications
- Unix Operating Systems
- Systems and Applications Security
- Large-Scale Wireless Networking
- Online Transaction Processing
- Online Event Processing

Passion

I enjoy designing large-scale distributed software systems using Domain-Driven Design (DDD), Command Query Responsibility Segregation (CQRS), Microservices, Hexagonal Architecture, and Event-Driven Architecture. I strive to design systems that last forever, scale to any level, are easy to maintain, are open to evolution, and embrace change.

Work History

- Jul 2018 - Present **Software Architect and Principal Software Engineer**
Young Living Essential Oils
- Designed various systems for online sales, order fulfillment, inventory control, and direct sales commission management.
 - Designed and developed frameworks for high-load real-time message processing.
 - Designed and developed frameworks for distributed large-scale online transaction processing.
 - Taught and demonstrated to other software architects how to model and break down complex problems into simple components.
 - Mentored several software development teams on software architecture and development principles.
 - Led several software development teams in planning, producing, and delivering business-critical software systems.
- Nov 2013 - Jul 2018 **Sr. Software Engineer**
Vivint, Inc.
- Designed and developed various systems for large-scale wireless network planning and management.
 - Designed multiple database schemas for network management systems and network monitoring software.
 - Designed and developed multiple frameworks for high-load enterprise- and carrier-grade applications.
 - Designed and developed market analysis software for large geographical areas.
- Jul 2012 - Nov 2013 **Wireless and Software Engineer**
Rise Broadband Networks, Inc.
- Designed and developed various large-scale, distributed network management systems and tools.
 - Designed and developed automatic benchmarking and network decongestion software.
 - Designed and developed RF planning and analyzation software for large-scale wireless networks across the US.
- Sep 2011 - Jul 2012 **Software Engineer**
Optini, LLC
- Developed various marketing websites.
 - Developed productivity applications.
 - Managed multiple servers.
- Jul 2009 - Sep 2011 **Software Engineer**
Private Contractor
- Developed various applications, tools, and games for clients.