

Daniel Battaglia

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Core Competencies

Building distributed systems, infrastructure and frameworks, with a strong emphasis on code quality and performance

Languages

Scala, Ruby, C#, C++, Javascript, Typescript, SQL, Python

Technologies and Frameworks

SQL Server, PostgreSQL, MongoDB, Redis, Elastic Search, RabbitMQ, Docker, Vagrant, Asp.Net, Akka, AWS, Heroku

Experience

Elastic

Principal Software Engineer

Feb 2018 - Present

- Principal engineer and lead for Elastic Cloud's "Platform Features" team
- Designed, architected and implemented several core features to the Elastic Cloud platform, including a major rewrite of the platform's authentication system in order to support external authentication providers, multi-factor login and fine grained access control
- Perform regular code and architecture reviews for both new features and bug fixes

Kontena, Inc

Software Engineer / Architect

Feb 2017 - Feb 2018

- Played a pivotal role in the design and implementation of an event-driven microservices architecture for the Kontena Cloud platform, expanding on the initial Ruby on Rails monolithic application
- Designed and developed a microservice used for realtime usage metering, to support billing for Kontena Cloud's various commercial services, such as hosted Docker registries, compute nodes and managed Kontena platforms
- Designed and implemented the backend for Kontena Cloud's realtime web-based management terminal shell, executing end user commands inside Docker containers connected to the browser over websockets

TMP Worldwide

Software Architect

Feb 2012 - Sept 2015

Lead Architect

Jan 2016 - Feb 2017

- Researched and implemented new technologies and patterns for improving the software platform, such as microservice architecture, actor model, event sourcing and containers
- Developed core shared application frameworks for performing common development tasks, such as authentication, authorization and organizational hierarchy traversal
- Created a robust asynchronous application messaging solution using RabbitMQ
- Designed and implemented continuous integration and continuous delivery strategies

ADP Lifion

Technical Architect

Sept 2015 - Jan 2016

- Worked as part of an agile team responsible for building a new authorization microservice for the companies' new software platform
- Researched potential data storage and data pipeline technologies for handling a large volume of transactional data, including Couchbase and MongoDB for storage and Apache Samza / Kafka for a data pipeline

Centris Group, LLC

Release Engineer

April 2008 - Sept 2008

Software Developer

Sept 2010 - Feb 2012

- Developed new product features for a large-scale education industry web application, deployed across multiple production environments
- Built and maintained the companies' automated build and deployment systems for a suite of .Net web applications

ConEst Software Systems

Software Developer

Sept 2008 - Sept 2010

- Developed new features for a customer-deployed client/server application, used by electrical engineers for project management and estimating
- Designed and developed a custom CI server application, used for automating the creation of deployment packages to customers and quality assurance engineers

Federated Payments

Software Developer

Sept 2007 - April 2008

- Developed web based internal-use tools for customer management and telemarketing teams

Additional Projects

Annenberg Foundation

Consultant/Developer

2008 - 2009

- Developed an end-to-end web-based solution for automating processes used by the company for tracking customers and contractors/consultants.

Monome

Consultant/Developer

2006 - 2008

- Created software used to interface between the companies' open source hardware devices and various music software packages over various protocols (USB, UDP and MIDI)
- Code on Github: <https://github.com/monome/monomeserial/tree/master/windows>

Education

Five Towns College

Audio Engineering / Business Management

1998 - 2000

Stony Brook University

Business Management

2000 - 2001

Links

- Github: <https://github.com/daniel-bytes/>
- Stack Overflow: <http://stackoverflow.com/users/1335395/dbattaglia>
- Hacker News: <https://news.ycombinator.com/user?id=dbattaglia>

Check out the source code for this resume on Github: <https://github.com/daniel-bytes/resume>