

Matthew J. Bilyeu

Creative, pragmatic, and detail-oriented software engineer with experience in microservice architecture and distributed web technology.

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EXPERIENCE

Stitch — *Senior Software Engineer*

FEBRUARY 2018 - PRESENT

- Technical lead of a multi-quarter exploratory project to serve enterprise users' advanced data orchestration needs
- Architected and built a distributed scheduling service to manage triggering thousands of periodic Kubernetes jobs

Stitch — *Software Engineer*

AUGUST 2016 - FEBRUARY 2018

- Designed and implemented a Clojure and React application to load records into customers' AWS S3 data lakes
- Developed tap-mysql, a containerized database extraction tool for the open-source Singer.io platform, written in Python

RJMetrics — *Software Engineer*

APRIL 2014 - AUGUST 2016

- Wrote a scalable publish-subscribe notification system in Clojure to alert customers about important updates to their accounts (~10k messages/min)
- Contributed to the analytics dashboard app using AngularJS, HighCharts, PHP, and Redis

EWA — *Software Engineer*

JULY 2012 - APRIL 2014

- Maintained, extended, and tested real time radar control simulation systems written with C++ and C# in Linux and Windows environments
- Designed and implemented UI for aircraft trajectory and digital signal processing display programs

EDUCATION

Georgia Tech — *Computer Science, M.S.*

AUGUST 2017 - MAY 2021 (anticipated)

Drexel University — *Computer Science, B.S.*

SEPTEMBER 2007 - JUNE 2012

SKILLS

Software architecture

Scalable web services

Clojure

Python

React / JavaScript ES6

Amazon Web Services