Brenden Matthews

CONTACT
INFORMATION

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PROFESSIONAL
EXPERIENCE

Braze, Inc., New York, NY

Software Engineer   **Oct 2018 – April 2019**

Building infrastructure with Kubernetes.

Citadel LLC, New York, NY

Platform Engineer   **Oct 2017 – Jun 2018**

Joined the platform engineering group as part of the data engineering team to build out Citadel's data platform technology. Primarily working with tools that integrate on-prem and cloud (AWS and GCE) data infrastructure.

Mesosphere, Inc., San Francisco, CA

Solutions Architect   **Jan 2015 – Feb 2017**

Worked on multiple customer engagements, acting in both pre-sales and post-sales positions.

- Built cloud migration plans for enterprise customers
- Lead and lectured week-long in-depth onsite training sessions
- Advising senior management on container technologies
- Lectured and gave talks at several meetups and conferences
- Contributed to various engineering efforts
- Published several original blog posts
- Built and maintained marathon-lb, the canonical load balancing and service discovery tool for Marathon and DC/OS
- Customers were primarily enterprise users, including financial, telecom, and tech companies

Airbnb, Inc., San Francisco, CA

Software Engineer   **Feb 2013 – Jan 2015**

Joined the Data Infrastructure team to help Airbnb scale to support the massive growth of the company, and meet the company's needs for managing a large, growing data warehouse. Worked directly with teams all across the company to help meet their data needs, and build out a rich set of data tooling.

- Built next generation of data infrastructure utilizing open source tools such as Mesos, Hadoop, HDFS, Chronos, and Storm
- Contributed code to several projects, including: Mesos, Hadoop, Storm, Spark, Presto, Chronos, Marathon, and others

Newfield Wireless, Inc., Berkeley, CA

Senior Software Engineer   **Sept 2009 – Nov 2012**

Leveraged 3GPP layer 3 expertise to build a UMTS network data parser and indexer. Designed and implemented the first suite of real-time 3GPP LTE capture/parsing tools.

- Created a customized database solution with integrated flexible query language for accessing millions of streaming records in real time.
- Designed and implemented asynchronous communication library with feature set similar to ZeroMQ, with C++ and Python interfaces.

- Designed and implemented a reporting library for generating key performance indicators from vast quantities of raw data, leveraging previously mentioned customized database.
- Introduced new development and debugging methodologies to the team which significantly improved the pace of development and quality of deliverables.
- Assisted junior and senior developers on all aspects of software engineering.
- Oversaw design and implementation of schema-based XML software specifications.

Real Time Measurements, Inc., Calgary, AB

Software Development Manager **2003 − 2009**

- Developed end user applications, web services, and embedded software.
- Involved in strategic planning, performance and productivity improvement, organizational design, e-commerce, new media and Internet promotion.
- Planned, participated, and coordinated team building exercises while demonstrating strong leadership skills.
- Configured and managed servers, automated backup systems, and provided support for customers as well as in-house support.
- Leveraged new technologies to enhance our product-to-customer experience in a timely and cost effective fashion.
- Implemented cost reduction IT strategy to make use of existing infrastructure instead of requiring further equipment purchases.

PROGRAMMING EXPERIENCE

Languages: C, C++, Python, Ruby, Bash, Go, Rust, Java, Scala, Kotlin, LaTeX
Data Technology: Kafka, Cassandra, Redis, PostgreSQL, ElasticSearch/Lucene, MySQL, Hadoop, Hive, Presto, RedShift, BigQuery, SQS, EMR, RDS