

# BRANDON JOHNSON

## Senior Software Engineer

Phone

Email

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West Jordan, Utah - USA



## SUMMARY

Senior software engineer with 10+ years of experience, including 8+ years in e-commerce and order-entry applications featuring payment integrations. Also has an Accounting degree and an understanding of GL accounting. Seeking a role as Senior Software Engineer at Moov Financial

## EXPERIENCE

### Senior Software Engineer

#### Lucerna Health

06/2020 - 08/2020 Midvale, Utah - USA

Health-tech start-up providing a data platform that structures and processes healthcare data using real-time and batch ETL data flows, enabling analytics, business intelligence, and data science

- Led a team of 3 engineers on a deeply-integrated process monitoring flow, which required 8 new API endpoints, integration with 3 Spark/Glue jobs, 4 new Lambda functions, an SQS queue, SNS topics, S3 events, CloudWatch metrics, PostgreSQL alembic migrations and queries, and React UI pages
- Developed a data cleaning Spark/AWS Glue job for a mission-critical ETL pipeline, which reads data from large CSV files (up to millions of rows), runs transformations from a mapping using Spark SQL, and writes the data as Parquet files to S3, which are read into Athena and into Redshift

### Senior Software Engineer - Team Lead

#### Banjo

02/2018 - 05/2020 Redwood City, CA and then South Jordan, UT - USA

Tech start-up helping law enforcement and emergency responders by providing real-time analytics through machine-learning and analytics of data streams from various public and private data sources

- Led a team of 5 engineers in creating data pipelines and RESTful API services that handle data on the scale of billions of data messages per day
- Designed and developed a declarative approach to ingesting data from any source and in any format, which reduced the effort to onboard new data sources from two engineer-days to three engineer-hours
- Designed, developed, and maintained 30+ RESTful and GraphQL API microservices that supported Banjo's web clients and data pipelines and handled billions of requests per day
- Promoted team growth through modeling and coaching team members
- Drove data-intensive system and software design and architecture with a focus on distributed systems at scale
- Set up cloud environments for data pipelines and APIs, utilizing Terraform and several AWS services

### Senior Software Engineer / Senior DevOps Engineer

#### Cricut

09/2015 - 02/2018 South Jordan, Utah - USA

Market leader in the DIY space, providing software, devices, materials, digital content, and other tools for DIY makers. Brandon's focus was on Cricut's e-commerce platform, which handles an average of 7,500 transactions per day and drives \$60 million in revenue per year.

- Worked with a team on a re-platform of Cricut's e-commerce web presence, migrating from C# to Magento (PHP) into a highly scalable AWS environment, and migrating to PayPal Pro for credit card and ACH payments
- Worked with a team of 8 engineers developing a customer subscriptions feature, which included integrating with Stripe's API for payments, developing back-end API endpoints and 10+ admin and UI features
- Set up MySQL master-slave replication and configured the web application to read from the slave database and write to the master database, significantly improving application performance and scalability

## PAYMENTS EXPERIENCE

### Payment APIs

NMI three-step API with tokenization

Stripe API for subscription payments

Chase Paymentech and orbital gateway with Magento Payment Bridge

### Payment Module Integrations

Integrated industry Magento payment modules (PayPal and Auth.net) for 20+ e-commerce web applications

Responded to issues with PayPal and Auth.net APIs, and became familiar with fraud detection, AVS, and other common errors and issues

### Proprietary Order Entry System

Developed an order entry back-end and user interface used by 800+ call center sales agents

Developed an address verification service using USPS and UPS to detect fraudulent use of credit cards

Had some involvement in a third-party PCI compliance audit of Clearlink's order entry systems

## SKILLS

Golang Python Ruby Node.js

TypeScript Java Elixir PHP

MySQL PostgreSQL MongoDB

Elasticsearch AWS Google Cloud

Docker Kubernetes Helm

Kafka Redis React SQLite

Linux Traefik Microservices

Serverless Terraform Magento

Vault Packer REST OpenAPI

GraphQL Nginx Prometheus

## EXPERIENCE

### Lead Software and DevOps Engineer

#### Aptyts

📅 04/2009 - 09/2015 📍 Salt Lake City, Utah - USA

Full-service development agency, co-founded by Brandon, specialized in custom e-commerce and application development with PHP, Magento, Big Commerce, WooCommerce, Ruby on Rails, Linux, iOS, and Android

- Developed an integration with NMI's three-step payments API with tokenization for two different e-commerce web applications
- Developed features and integrations for 20+ e-commerce websites, including cart, checkout, and payment integrations, shipping API integrations, and admin reporting
- Led a team in the development of an iOS and Android daily deals app that featured one-click checkout and payment, along with configured notifications for daily deals
- Managed the cloud server infrastructure for four or five clients
- Involved in every aspect of the business, from sales and finance to client interaction and hiring

### Magento Technical Lead

#### Guidance Solutions

📅 09/2013 - 05/2014 📍 Marina del Rey, California - USA

Magento Gold Partner e-commerce development agency, which only bid on very large and/or long-term e-commerce implementations priced in the hundreds of thousands of dollars and higher

- Led a team of 14 engineers on a large e-commerce project that required more than 20 system integrations, including developing a PCI-compliant payments integration with Chase Paymentech and Magento Payment Bridge
- Engaged clients during pre-development technical discovery, and designed solutions to some difficult integrations and other challenges, and presented the design and solution to those clients
- Designed and implemented a solution to a complex pricing model with millions of possible permutations for a large educational tech company

### Senior Full-Stack Developer

#### Clearlink

📅 03/2010 - 09/2013 📍 Salt Lake City, Utah - USA

A leader in digital marketing and customer acquisition. Owns high-traffic websites such as [highspeedinternet.com](http://highspeedinternet.com) and [cabletv.com](http://cabletv.com) to acquire customers for its brand partners such as AT&T, Verizon, Comcast, Dish, DirecTV, Vivint, and ADT

- Developed an order entry back-end and user interface used by 800+ sales agents to input customer information, including credit card payment information, and also built an address verification service using USPS and UPS to detect and reduce fraudulent orders
- Developed and supported brand partner APIs using SOAP and REST for DirecTV, Lifelock, ADT/Defender, and Vivint, and integrated the APIs with the sales order management system
- Modeled MySQL database tables and wrote stored procedures that pull data across several MySQL databases to facilitate reporting for decision-makers and brand partners

### Magento (PHP) Developer

#### Green PoikaDot Box

📅 11/2009 - 03/2010 📍 Pleasant Grove, Utah - USA

An online membership that offers natural and organic foods at a lower price to subscribing members across the United States

- Developed a feature that allows customers to choose product attribute preferences in the customer account dashboard, which affects the sort order of products on catalog pages
- Integrated a one-page checkout module, and fixed an issue that allowed multiple payments to be submitted on a single order
- Involved in the development of a Customer Rewards module (preceding Varian's implementation of an official Rewards module in a later release of Magento enterprise edition)

## CERTIFICATION

### AWS Certified Developer (ACD)

Amazon Web Services (AWS)

### Zend Certified Engineer (PHP)

Zend Technologies, Ltd.

## EDUCATION

### Bachelors of Science, Accounting

#### University of Utah

📅 2001 - 2006

- Double-majored in Management Information Systems (MIS) during my final year-and-a-half
- Some courses included Database Management Systems (including SQL), Web Programming with Java

## TRAINING / COURSES

### Go Fundamentals by Nigel Poulton

Pluralsight

### Go Language Overview

Treehouse

### Algorithms and Data Structures

### Algorithms: Sorting and Searching

### Calculus

University of Utah

### Database Management Systems

University of Utah

### Docker and Kubernetes Bootcamp

### Advanced Terraform

### Java Web Programming

### Python Bootcamp

### React Bootcamp

### Ruby Bootcamp

### Many Others...

## FIND ME ONLINE



LinkedIn

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GitHub

[www.github.com/darwinz](http://www.github.com/darwinz)