

NATHAN CARLSON

SOFTWARE ENGINEER

EXPERIENCE

12/2019
|
03/2019

Senior Software Engineer

Motili

Denver

Motili's core offering empowers HVAC contractors and property owners by enabling them to interface together seamlessly on a platform that generates work orders and quotes, sources parts, fulfills orders, and manages assets.

- Implemented back end, and user facing, features in a production environment
- Delivered a centralized solution for automatic code formatting and linting across multiple code repositories
- Wrote a tool allowing interaction with product catalog data using CRUD actions, as an alternative to writing tedious SQL scripts
- Advocated for coworker success by providing a listening ear and teaching on new technologies and frameworks
- Prototyped experimental applications in order to evaluate alternative frameworks

Technologies Used

- IBM LoopBack, GraphQL, Node.js, React.js
- Postgres, AWS, Redis, BullMQ, Jenkins

01/2019
|
12/2018

Software Engineer

ShapeShift

Denver

- Contributed to the CoinCap redesign effort - <https://coincap.io>
- Contributed to the Membership Portal - <https://portal.shapeshift.io>
- Implemented public and authenticated GraphQL queries returning data from multiple sources, including REST, Redis, and Postgres
- Gathered and implemented requirements for db schema design and Sequelize migrations
- Spearheaded efforts for migrating to frameworks such as Formik and TypeORM, with working prototypes
- Designed and delivered a cron-like microservice that performs network and database queries on specific time intervals
- Enjoyed training new members of the team, familiarizing them with the tech stack
- Implemented a cold storage service layer which includes deriving addresses from xpubs on multiple chains and an m-of-n bitcoin multisig arrangement

12/2018
|
04/2014

Software engineer

Braxton Technologies

Colorado Springs

- Contributed to the SENSOR program contracted to Harris Corporation
- Used Puppet to provision Splunk centralized logging in complex networked environments
- Implemented automatic enforcement for many Security Technical Implementation Guides (STIGs) for RHEL7 VMs using Puppet, shell scripting, and other tools
- Simplified multi-host installation scripts running over a network
- Implemented features in Spring Boot REST with unit test coverage

Technologies Used

- VMware, Red Hat Enterprise Linux, Puppet, Splunk, Digital Unix
- Java, Spring MVC, JPA, various Java libraries

EDUCATION

University of Colorado Colorado Springs

Colorado Springs

- Bachelor of Science in Computer Science
- Minor in Mathematics

CONTACT INFO

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SKILLS

Node.js
GraphQL
React.js
Git
Docker
Kubernetes
Postgres
Redis
Bash