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NATHAN CARLSON

SUMMARY

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💼 EXPERIENCE

**02/2020
|
present**

VP of Engineering
Ouray Digital   📍 Golden, CO

Spearheaded the technical direction, scale, and architecture of a social media platform.

• Remained hands on technically while leading a team of six software engineers

Technologies Used

• React, Node.js, GraphQL, Meteor.js
• MongoDB, Postgres, nginx, Redis, Docker Swarm, VMWare, Ubuntu Server

**12/2019
|
03/2019**

Senior Software Engineer
Motili   📍 Denver, CO

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, CO

• 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, CO

• 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

FIND ME

🐙 nscarlson
in nathanscarlson

SKILLS

📦 Node.js
🔱 GraphQL
⚛ React.js
◈ Git
🐋 Docker
⎈ Kubernetes
🗄 Postgres
🗄 Redis
>_ Bash

Technologies Used

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

EDUCATION

University of Colorado Colorado Springs

• Bachelor of Science in Computer Science   • Minor in Mathematics