

Senior Software Engineer - Elixir
GridPoint – Remote

10/2022 – 02/2025 (28 months)

- Built the data ingestion and visualization layer for the Savings product that illustrated the value GridPoint brought to its customers.
- Integrated with a third party Demand Response partner and built a curtailment event notification handler that we used to reduce energy consumption for the sites that GridPoint manages.

Software Engineer - Elixir
BlockFi – Remote

06/2021 – 08/2022 (14 months)

- Worked on the Crypto Payments team where we were responsible for all customer crypto transactions. Primary focus was decoupling multiple API services from the main monolith service. Integrated OpenTelemetry stack to observe system performance with dashboards and alerts.
- Saved significant costs to the firm by implementing a withdrawal fee ceiling. This feature delayed transaction processing until withdrawal fees came down. The fee ceiling was adjustable in real-time to account for dynamic market conditions. Reduced fees from 31% over network average to 11% below network average.

Software Engineer - Elixir
ScriptDrop – Remote

02/2020 – 05/2021 (16 months)

- Developed a new order fulfillment architecture for our on-demand delivery partners. Supplemented a GenStateMachine based system with an Oban based system. The new architecture was easier to reason about and fulfilled the requirements of the existing system. Deployed system with the launch of Uber as a delivery partner.

Software Engineer - Elixir
onXmaps – Missoula / Bozeman, Montana

08/2016 – 01/2019 (29 months)

- Lead backend design and development on a feature team for social login using OAuth 2.0. Social login resulted in more account creations by reducing friction.
- Leveraged Google Cloud PubSub to create a soft real-time system for our users with Play store subscriptions. Resulted in our system being in sync with the payment provider and seamless product access for our users.

Research Assistant - Javascript

08/2013 – 05/2015 (21 months)

Center for Research in Extreme Scale Technologies, Indiana University – Bloomington, Indiana

Software Developer - Ruby on Rails

06/2012 – 07/2013 (13 months)

Leadership Computing Facility, Oak Ridge National Laboratory – Oak Ridge, Tennessee

Master of Science in Computer Science

Graduated May 2016

School of Informatics and Computing, Indiana University – Bloomington, Indiana

Bachelor of Science in Computer Science

Graduated Dec. 2012

College of Basic and Applied Sciences, Middle Tennessee State University – Murfreesboro, Tennessee