

### ***Technology Skills***

**Javascript:** Typescript, Node.js, React, Vue, Solid.js, Redux, Prisma, Jest, Cypress

**Python:** Django, Flask, SQLAlchemy, Pytest

**DevOps:** Azure, AWS, Heroku, Docker, MySQL, PostgreSQL, Linux, LAMP, Apache, Github Actions

**Other:** PHP, Yii, Laravel, WordPress

**Some:** Functional programming, Scala, Haskell, Java, Android, Rust, Ethereum / Web3, Terraform, Kubernetes

### ***Experience***

#### **Lead Full Stack Engineer, Dojo, New York, NY / Remote**

##### *Infrastructure/DevOps*

- Designed and implemented a CI/CD pipeline in Heroku & GitHub Actions and added an entire test suite using Cypress, Pytest, and Jest tests.
- Introduced Docker & Docker Compose local development & testing environment
- Created & maintained production, testing and dev environments in Heroku, AWS, passing rigorous security review processes.

##### *Features*

- Improved performance and maintainability through multiple phases of refactoring front end and back end, including adding progressive loading to d3 force graph visualization, improving DB schema
- Increased performance of endpoint from several minutes to under 10 seconds for large projects, increasing feasible project size by 100x+
- Added AWS Lambda function with AWS Serverless Application Module to handle log drain
- Designed & implemented concept of groups, group member, node hierarchy
- Implemented new admin UI to conform to JWT auth requirement of 3rd party pen test

##### *Management*

- Led remote team of 1 FT engineer as well as 2 regular full time contractors
- Responsible for validating feature implementation plans, code review, quarterly feedback

#### **Senior Full Stack Engineer, Care.Coach, Millbrae, CA**

##### *Architecture*

- Designed & created Django-based internal service to house updated schema + machine learning models & integrations as well as collected, monitored & analyzed performance metrics and logs for reporting
- Upgraded video streaming architecture from Flash/RTMP to HTML5/WebRTC by implementing web client, server configuration, guiding implementation of Android mobile client

##### *Features*

- Upgraded security to meet standards of major client 3rd party security audit
- Integration with hospital EMR & our cloud-hosted SQL Server DB using Java Spring

##### *Ops*

- Introduced automated testing using Selenium
- Created & maintained production, testing and dev environments in Azure

#### **Independent Contractor, David M Noll LLC, Louisville, KY**

- Created web applications in PHP, JavaScript, AWS EC2, shared hosting
- Designed and implemented Python desktop application for cryptocurrency trading

**Interactive Developer, *JUMP by LEAP agency***, Louisville, KY

- Development with WordPress, Laravel or PHP/HTML, MySQL, JavaScript
- Created templating language for generating many variations of PDF documents

**IT Consultant, *Derby City IT***, Louisville, KY

### ***Projects***

**Fosforescent**: a checklist-based collaborative workflow execution language

**Netcode**: a neuron-wise neural net library & playground

**Pixel Time**: a web3 dApp that allows users to collaboratively edit an image

**ChkFlow**: a React component editor/view for tree data inspired by Workflowy's interface

**GLTrader**: desktop app for real-time monitoring of cryptocurrency market data via Bittrex API

### ***Education***

***Rensselaer Polytechnic Institute***, M.S. in Global Enterprise Management

***Case Western Reserve University***, B.A. in Cognitive Science