David M. Noll

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Technology Skills

Javascript/Typescript: Node.js, **React**, Vue, Redux, Prisma, Jest, Cypress
Python: Django, Flask, SQLAlchemy, Pytest
PHP: extensive experience in past, Yii, Laravel, WordPress
Haskell/Scala/FP: learning via coursera courses & practice in free time
DevOps: Azure, AWS, Heroku, Docker, MySQL, PostgreSQL, Linux, LAMP, Apache, IIS Networking
Some: Java, Android, Rust, Ethereum / Web3, ChatGPT API, Machine Learning, Statistics/Math

Experience

Lead Full Stack Engineer, *Dojo*, New York, NY (Remote)   2021-2023
Architecture
 - 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
Infrastructure/DevOps
 - Added Cypress, Pytest, and Jest tests from scratch & reached significant coverage, Implemented CI/CD
   pipeline in heroku, later switched to GitHub Actions
 - Introduced Docker & Docker Compose local development & testing environment
 - Created & maintained production, testing and dev environments in Heroku, AWS, passing security review
   process of fortune 500 companies
Features
 - Increase performance of endpoint from several minutes to under 10 seconds for large projects, increasing
   feasible project size by 100x+
 - Added AWS Lambda function with SAM to handle log drain
 - Designed & implemented concept of groups, group member, node hierarchy
 - Implemented new admin area 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   2018-2021
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

Owner, *David M Noll LLC*, Louisville, KY   2014-2015, 2017-2018
 - 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   2015-2016
 - Development with WordPress, Laravel or PHP/HTML, MySQL, JavaScript
IT Consultant, ***Derby City IT*,** Louisville, KY   2012-2013

Open Source

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   2010
***Case Western Reserve University*,** B.A. in Cognitive Science   2008