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KIRBY ROBINSON

Full Stack Engineer

PROFESSIONAL SUMMARY

Hard-working and results-oriented Software Engineer with over 10 years of experience in developing robust web applications. Expertise in frontend technologies like CSS, JavaScript (ES6+) and React, with strong backend skills in Python, SQL, and AWS. Knowledgeable in machine learning libraries like TensorFlow and Scikit-learn; MIT-certified in Applied Data Science and AI. Well-versed in WordPress development and cloud computing, focusing on both development and infrastructure. Strong ability to quickly find solutions to problems; not afraid to pivot to new solutions and approaches as they present themselves; enjoys collaborating with cross-functional teams to deliver high-quality, scalable software solutions.

EMPLOYMENT HISTORY

FREELANCE ENGINEER   Jun 2024 - Present
36 Dunes

- Web development projects using React, Python, NodeJS, Express, MongoDB
- Built predictive machine learning models for forecasting
- Models included classification, random tree, and neural networks
- Completed MIT program in Applied Data Science and AI
- Financial market trading using inference models

DEVOPS ENGINEER   Nov 2023 - May 2024
SubjectWell

- Worked on both the development and IT teams, contributing to software infrastructure and server maintenance.
- Built online clinical trial screeners using JavaScript and PHP.
- Migrated 50+ WordPress websites from AWS to WPEngine, improving server performance.
- Decommissioned redundant AWS server clusters, saving $4,000/month in cloud costs.
- Onboarded the acquiring company on NGINX proxy server setup.
- Led GitLab-based code reviews and maintained uptime monitoring for acquired endpoints.
- Position eliminated after SubjectWell's acquisition by private equity in May 2024.

DEVOPS/SOFTWARE ENGINEER   Mar 2018 - Nov 2023
MD Connect, Inc. (PatientCentra)

- Designed and developed custom WordPress themes and applications for clinical trial screener web forms.
- Managed AWS infrastructure (EC2, ELB, RDS, S3, CloudWatch), maintaining high availability and uptime.
- Integrated custom web forms with partner systems for seamless data exchange.
- Promoted to DevOps Engineer in January 2022, expanding responsibilities to include server infrastructure management and API integration.
- Led the creation of web-based tools, such as a LASIK Savings Calculator, for top agency clients.

WEB CONSULTANT   Feb 2017 - Dec 2017
Paradigm Health Plans

- Conducted website analysis to improve content, navigation, user experience, and web marketing objectives.

WORDPRESS DEVELOPER   Sep 2016 - Jun 2017
O'Rourke Hospitality

- Developed, maintained, and provided monthly updates for nearly 100 WordPress websites.

FRONTEND DEVELOPER   Dec 2013 - Apr 2016
Brown & Company Design

- Led development for large-scale projects, including a comprehensive Intranet service for River Woods.
- Contributed to UX planning, content strategy, and CMS training for clients, including FIRST Robotics.

EDUCATION

BACHELOR OF ARTS IN ENGLISH AND SPANISH LITERATURE 2008
Boston University

COURSES

APPLIED DATA SCIENCE AND AI CERTIFICATION 2025
Massachusetts Institute of Technology

SKILLS

JavaScript, React, Python, AWS, NodeJS, MongoDB, PHP, WordPress, NGINX, GitLab, Docker, MySQL, DevOps, CI/CD, Machine Learning, Data Science, API Design, Microservices.

LINKS

Portfolio: <u>kirbyrobinson.com</u>.

ADDITIONAL INFORMATION

ACHIEVEMENTS

- Developed Patient Screeners for Sanofi's Clinical Trials: Developed web-based trial participant screeners for clinical studies, resulting in over $1M in profit for a Diabetes study, contributing 25% to the company's annual gross profit
- ADA Audit and Remediation for Top Agency Client: Led a campaign to maximize ADA compliance at the code level, improving the client's accessibility and search ranking by 20% in the first month
- Built a Global Platform for Diabetes Clinical Studies: Co-created a platform for worldwide diabetes trial recruitment, spanning locations in 10 countries, enhancing clinical study participation
- Regulatory Compliance: Implemented a data query service to ensure compliance with HIPAA, GDPR, and CCPA