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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 **SOFTWARE ENGINEER Jun 2024 - Present**  ***36 Dunes***  • Launched App Store -accepted iOS mobile application, Photonester, for photo classification (photonester.com)  • 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 DEVELOPERSep 2016 - Jun 2017**  ***O’Rourke Hospitality***  • Developed, maintained, and provided monthly updates for nearly 100 WordPress websites.  **FRONTEND DEVELOPERDec 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**  ***Boston University,* May, 2008** Courses **APPLIED DATA SCIENCE AND AI CERTIFICATION 2025**  ***Massachusetts Institute of Technology,* May, 2008** 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: [kirbyrobinson.com](https://kirbyrobinson.com). 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 |
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