

WILLIAM MCVAY

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Full Stack Developer | Legacy Systems Integration

PROFESSIONAL SUMMARY

- Full Stack Developer with 20+ years of experience modernizing workflow-heavy applications across legal, healthcare, defense, education, and government environments. Specializes in building React/Node applications, integrating legacy systems, automating manual processes, and translating complex business requirements into reliable production software.
- Proficient across full stack architecture from CI/CD DevOps and IaC through databases and back ends to front end design, implementation, responsive styling, and SEO.
- Proven success designing and deploying production systems on Heroku, AWS, and GCP with 99%+ uptime, rapid and reliable deployment, and low overhead costs.
- Strong communicator and mentor, reliable on remote Agile teams and independent project delivery consistently on schedule and delivering high quality, fully tested code.
- Recent focus on modernizing internal IT processes in a legal setting through automated workflows integrating legacy application APIs to reduce time requirements and errors.

TECHNICAL SKILLS:

Languages: JavaScript/TypeScript, HTML, CSS, Java, Python, C#, PHP, SQL, Lua, Bash;

Frameworks: React, Next.js, Angular, Node.js, Spring Boot, Django, .NET, jQuery;

Databases: PostgreSQL, MSSQL, MySQL, MongoDB/NoSQL;

Integrations: IBM 3270, DoD Legacy Systems, Third Party APIs (Google, Meta Graph, Twitter);

Tools: Git, Docker, NPM, GitHub/Copilot, Jira, TFS, Slack, Teams, Discord, Office, Google Apps;

DevOps: AWS (Lambda, EC2, S3), GCP, Heroku, GitHub Actions, Jenkins, Apache, Tomcat;

Testing: Jasmine, Jest, JUnit, Selenium;

HackerRank Certifications: Front End Developer, Software Engineer, React, JavaScript

PROFESSIONAL EXPERIENCE

Legal Administrative Specialist – Office of Conflicts Counsel (OCC)

Dover, DE | Aug 2025 – Present | Node, React, IBM 3270 Integration

- Built Node.js/React apps to modernize case management and integrate with court platforms.
- Reverse-engineered poorly documented legacy workflows and built modern tooling to reduce manual processing effort by 99%+.
- Supported conflict counsel operations through case analysis, scheduling, client communications, and conflict review as an embedded developer.

Senior Software Developer – JBS Dev

Remote | Mar 2022 – Jan 2024 | AWS, PostgreSQL, Node/Django, React

- Developed Node Lambda functions and CloudFormation scripts to expose legacy data sources as REST APIs for React applications.
- 3-10 React components completed weekly for graduate program search and matching app.
- 30% boost to Google Lighthouse scores achieved via performance and SEO optimizations.
- 2-4 weekly full-stack CMS features developed combining Django/PostgreSQL with React.
- 3-5 junior developers mentored, coordinating tasks, reviewing code, and meeting deadlines.
- 95%+ code coverage ensured with unit, integration, and end-to-end acceptance tests.

Software Developer – American Systems

Remote | Feb 2019 – Jan 2022 | MSSQL, Java Spring Boot, Angular

- Built full-stack Angular + Spring Boot application for DoD childcare registration integrating with legacy DoD personnel systems.
- 3-4 developers mentored and led feature development from design to delivery.
- 95%+ test coverage ensured integrating MSSQL procedures with Java and Angular layers.
- 4-10 completed user stories delivered within biweekly sprints across distributed teams.

Software Developer – Accenture Federal Services

Remote | Sep 2014 – Apr 2018 | Node.js

- Modernized access to legacy electronic medical record data sources using Node.
- Developed Angular + Java-based applications for AmTrak and FCC services.
- 2-3 junior engineers mentored and led implementation of mission-critical features.

Software Developer – Independent School Management

Wilmington, DE | Jul 2013 – Jul 2014 | LAMP Stack

- 2 complete Angular apps developed using LAMP stack for CRM and financial aid tools.
- ~10 member product and QA team collaboration for successful feature delivery.

EDUCATION

University of Delaware

Newark, DE | Aug 2003 – Jun 2007

- BS in Computer Science, BA in Psychology, Minor in Political Science
- Specialization in Intelligent Behavior

Delaware Technical Community College

Dover, DE | Aug 2017 – Jun 2019

- Associate's Degree in Paralegal Studies
- President, Student Paralegal Association | Member, ATK Honor Society