

WILLIAM MCVAY

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PROFESSIONAL SUMMARY

Versatile and experienced Full Stack Developer with over 20 years of building scalable, secure, and user-centric web applications. Skilled in both front-end and back-end development across enterprise, government, and legal administration projects. Experienced in independently driving features from concept to deployment as well as collaborating in distributed remote teams. Strong problem solver with attention to detail, effective communication skills, and mentoring experience. Recently expanded expertise to include development and assessment of internal IT systems and automation solutions supporting legal case management workflows using Node.js and React.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, C#, PHP, SQL, Lua, Bash.

Frameworks/Libraries: React, Angular, Node.js, Spring Boot, Django, .NET, jQuery.

Databases: PostgreSQL, MSSQL, MySQL, MongoDB.

Tools: Git, Docker, Jenkins, GitHub, Jira, Slack, TFS, Teams, Discord, MS Office, Google Docs.

Cloud/DevOps: AWS (Lambda, EC2, S3), GCP, Heroku, NPM, Apache, Tomcat.

Testing: Jasmine, Jest, Integration & Unit Testing.

PROFESSIONAL EXPERIENCE

Legal Administrative Specialist – Office of Conflicts Counsel (OCC)

Dover, DE | Aug 2025 – Present

- Developed Node.js and React apps to coordinate existing case management software.
- Provided admin support including calendar tracking for Family and Common Pleas Courts.
- Coordinated data entry, client communications, and conflict checks for defense services.

Senior Software Developer – JBS Dev

Remote | Mar 2022 – Jan 2024

- Built scalable AWS Lambda functions and CloudFormation scripts in Node.js.
- Created React components for a graduate program search and matching platform on AWS.
- Boosted Google Lighthouse score by 30% via performance and SEO optimizations.

- Developed full-stack CMS features combining Django/PostgreSQL with React and legacy JS.
- Mentored junior developers, coordinated tasks, and met sprint deadlines.
- Ensured 90%+ coverage with unit and integration tests.

Software Developer – American Systems

Remote | Feb 2019 – Jan 2022

- Built full-stack Angular + Spring Boot application for DoD childcare registration.
- Led features from design to delivery, mentoring 3-4 developers.
- Integrated MSSQL stored procedures and ensured test coverage exceeded 90%.
- Delivered timely results within biweekly sprints across distributed teams.

Software Developer – Accenture Federal Services

Remote | Sep 2014 – Apr 2018

- Migrated legacy Java code to Node.js to improve EMR scalability and performance.
- Developed Angular + Java-based applications for AmTrak and FCC services.
- Mentored junior engineers and led implementation of mission-critical features.

Software Developer – Independent School Management

Wilmington, DE | Jul 2013 – Jul 2014

- Developed Angular apps using LAMP stack for CRM and financial aid tools.
- Collaborated with product and QA teams for successful feature delivery.

Professional Service Engineer – JackBe

Chevy Chase, MD | 2008 – 2010

- Created secure Java middleware and front-end UIs for DoD intelligence dashboards.
- Converted complex APIs to REST interfaces within highly secured environments.
- Worked on-site with DISA and ManTech under a now inactive Secret clearance.

Professional Service Engineer – Vizable

Toronto, ON | 2007 – 2008

- Developed 3D UIs using a proprietary JavaScript API for clients like AT&T and Showtime.
- Integrated enterprise systems into immersive front-end interfaces for data visualization.
- Delivered professional services both remotely and on-site.

Senior Developer – Application Development Group

Newark, DE | Feb 2007 – May 2007

- Designed and implemented a full-featured Java Monopoly clone.

Tech Support Engineer – HostMySite.com

Newark, DE | Apr 2006 – Aug 2006

- Supported Tomcat and traditional web app hosting.

Engineering Intern – EM Photonics

Newark, DE | Dec 2004 – Feb 2005

- Coded Java/C++ simulation tools for proprietary hardware.

PERSONAL & FREELANCE PROJECTS

Lead Developer | Freelance / Personal Projects

Jan 2024 – Present

- Built 3D Chess game in Unity C#, including Node.js lobby server and internet multiplayer integration, plus a CLI for a standalone chess engine configured for StockFish integration.
- Created a Node.js Discord bot integrated with social media/GraphQL and Google/MongoDB APIs, plus Delaware state legislature API integrations for bill tracking.
- Designed custom CPU architecture with assembly language and developed applications to perform automated tasks and minimize tick count.
- Developed CI/CD pipelines deploying to Heroku and GCP with DNS setup.
- Automated tasks using Python, Java, Lua, and C# across niche domains.

EDUCATION

University of Delaware

Newark, DE | 2003 – 2007

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

Delaware Technical Community College

Dover, DE | 2017 – 2019

Paralegal Certificate

President, Student Paralegal Association | Member, ATK Honor Society