William Roy Hubenschmidt, Software Developer

whubenschmidt@gmail.com | **347-909-0064** | linkedin | website | **Detroit, MI**

Knowledge of programming, systems and information technology includes full-stack software engineering, test-driven application development, microservices, server-side programming, user interface design, database design, React, Linux, REST APIs, Node.js, Laravel, git, CRM, SQL, MongoDB, agile product development, and audio engineering. Programming experience in JavaScript, TypeScript, PHP, Java, C++, and assembly language.

Software Developer, Par-Tech Global Automotive Solutions, Detroit, MI, June 2021—Jan 2023
▪ Built and maintained full-stack, test-driven solutions for telematics visualization tools for industrial fleet managers.
▪ Served as an individual contributor for application rewrite efforts (React UI / Laravel REST API).
▪ Peer reviewed team members' code; provided detailed estimates of scope, feature specifications, and API documentation.
▪ Helped grow and improve the engineering team through recruitment and technical mentorship on an agile software team.
▪ Adapted client environment and engineering practices (code optimization, CI/CD with feature flags).
▪ Assumed interim product management responsibilities (e.g. leading feature scope discussions, managing JIRA backlog).
▪ Earned a promotion to frontend lead, received excellent feedback on technical collaboration skills from remote colleagues.
▪ Led several implementation efforts, including:
– In the first three months, identified and resolved root causes of several dozen intermittent defects, reducing urgent production support issues to 0-1 per month.
– Reimplemented core product as a multi-customer application from its initial scope for use by a single customer, enabling API-driven views by customer preference. Wrote generic React components to consume JSON configuration objects determined by Laravel server-side logic.
– Developed React frontend to exchange Websocket data between browser and server via persistent connection in order to enable live updates to asset manager interface.
– Improved map view features and backend performance to enhance reporting and enable live transportation routing.
– Led frontend test suite migration from Enzyme to React Testing Library, wrote test patterns for use by other developers.
– Completed dependency updates to migrate from React v16 to React v18.
▪Technologies: React/JavaScript, Laravel/PHP, MySQL, MongoDB, Docker, Azure DevOps, Jira, Confluence

Software Developer, **Freelance,** Ann Arbor, MI and New York, NY, Jan 2019—June 2021
▪ Application development for Tame Your Wallet (Ann Arbor, MI).
 · Agile software development using React.js MVC framework to create Single Page Application (SPA).
 · Developed back end service using Node.js and ExpressJS to exchange JSON data with PostgreSQL database.
▪ Application development for Adorama, Inc (New York, NY).
 · Developed searchable product database, web scraper, and CRM interface using React progressive web app.
 · Created full stack application to consume JSON data from REST APIs of competitor product applications.
 · Created custom React.js components for data manipulations and to display data in searchable format.
▪ Built Java, C++, and PHP projects while maintaining academic 4.0 GPA in full-time Computer Science coursework.

CRM Developer, Consultant, New York, NY, Jan 2013—Nov 2016
▪ Developed CRM solutions for NYC small business clients including James & Company, Color + Information, and Creative Connections to improve sales analytics, business intelligence, customer retention, and lead generation.

Development Associate, Hetrick-Martin Institute, New York, NY, Jul 2014—May 2015
▪ Managed MS SQL Server database and developed data collection and reporting workflows.

Development Associate, Amnesty International USA, New York, NY, June 2012—Jan 2013
▪ Implemented and administered MySQL database, solicited donations in support of international human rights.
▪ Executive aide to Amnesty International USA Executive Director and former U.S. Deputy Secretary of State Suzanne Nossel.

Database Administrator, Robert F. Kennedy Human Rights New York, NY, May 2011—June 2012
▪ Implemented and customized Salesforce application for team offices in New York, Washington, D.C. and Florence, Italy.

EDUCATION
Eastern Michigan University, Ypsilanti, MI, 2020—2021, Bachelor of Science, Computer Science
Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY, 2019, Executive Education Certificate, Computer Software Engineering
University of Michigan, Ann Arbor, MI, 2004—2008, Bachelor of Arts, American Culture, Music Minor