William Roy Hubenschmidt, Software Developer

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> Knowledge of computer programming, systems and information technology includes full-stack software engineering, test-driven application development, user interfaces, server-side development, relational database management systems, React, Linux, REST APIs, Node.js, Laravel, Git, MySQL, MongoDB, CSS, agile product development, and audio engineering. Coding experience in JavaScript, PHP, Java, C++, and assembly language.

Software Developer, Par-Tech, Inc., Detroit, MI, June 2021—Jan 2023
▪ Programmed test-driven solutions for telematics visualization tools used by industrial fleet managers.
▪ Led several implementation efforts, including:
　· Root cause analysis to Identify and resolve several dozen intermittent frontend and backend defects, reducing urgent production support issues to 0-1 per month.
　· Redesigned core product as multi-tenant application using Laravel API and React frontend.
　· Developed React frontend using WebSocket persistent connection to enable live updates to asset manager interface.
　· Improved geographical map view interactive features and API response performance to enhance user experience.
　· Led frontend test suite migration from Enzyme to React Testing Library.
　· Completed frontend library migrations and major version dependency updates to upgrade from React v16 to v18.
▪ Promoted to lead frontend developer, received excellent feedback on technical collaboration skills from remote colleagues.
▪ Peer reviewed team members' code; provided detailed estimates of scope, feature specifications, and API documentation.
▪ Adapted client environment and engineering best practices including code optimization and CI/CD with feature flags.
▪ Technologies used: React/JavaScript, Laravel/PHP, Node.js, MySQL, MongoDB, Docker, Azure, Jira, Confluence.

Software Developer, **Freelance,** Ann Arbor, MI and New York, NY, Jan 2019—June 2021
▪ Full-stack application development for Tame Your Wallet (Ann Arbor, MI).
　· Created survey application, CRM interface for email marketing managers (React/Express/Node.js/PostgreSQL).
▪ Full-stack application development for Adorama, Inc (New York, NY).
　· Created searchable product database, web scraper, and CRM interface (React/Express/Node.js/MySQL).
▪ Programmed Java, C++, and PHP projects as a Computer Science student at Eastern Michigan University (4.0 GPA).

Audio Engineer, **99¢ Dreams Records**, New York, NY, Nov 2016—Jan 2019
▪ Built and maintained website integrating YouTube Live streaming and vinyl record e-commerce (JavaScript, HTML5, CSS).
▪ Operated recording studio including all aspects of sound recording, mixing, and advanced production techniques.
▪ Distributed vinyl records in brick-and-mortar shops in New York, Berlin, Tokyo, and Rotterdam under the 99¢ Dreams imprint.

Development Manager, Correctional Association of New York, New York, NY, Aug 2015—Nov 2016
▪ Managed Raiser's Edge relational database, optimized data collection and developed custom reporting interface.

Development Associate, Hetrick-Martin Institute, New York, NY, July 2014—June 2015
▪ Optimized relational database information flow, data collection and reporting for the fundraising and accounting offices.

CRM Developer, Consultant, New York, NY, Jan 2013—July 2014
▪ Implemented CRM solutions to improve sales analytics, business intelligence, customer retention, and lead generation.
▪ Web and database development for clients including Japan Society, Color + Information, and Creative Connections NYC.

Development Associate, Amnesty International USA, New York, NY, June 2012—Jan 2013
▪ Assumed project management responsibilities for internal communication tool development. Managed developer consultants, defined project requirements, scope and deliverables for fundraising database to support international human rights.

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

AmeriCorps VISTA, Central Texas Food Bank, Austin, TX, **Medicare Rights Center,** New York, NY, April 2009—May 2011
▪ Database development, data analysis, grant writing, and fundraising in support of national service nonprofit organizations.

EDUCATION
Eastern Michigan University, Ypsilanti, MI, 2020—2021, Bachelor of Arts, Computer Science (68 credit hours completed)
Columbia University, School of Engineering and Applied Science, New York, NY, 2019, Certificate, Computer Engineering
University of Michigan, Ann Arbor, MI, 2004—2008, Bachelor of Arts, American Culture, Music Minor