

William Roy Hubenschmidt, Software Developer

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Software developer and multi-disciplined technology professional. 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—present

- Build and maintain full-stack, test-driven solutions to ingest real-time data from internet of things (IoT) devices (React/Laravel/PHP/MongoDB/MySQL/Docker/Azure DevOps).
- Developed telematics visualization tools for industrial fleet managers with React UI and Laravel REST API.
- Peer review team members' code; collaborate with team to brainstorm and create new products; provide clear, detailed feature specifications and documentation within agile project management system.
- Helped grow and improve engineering teams by recruiting, interviewing, training and directing junior staff.

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.

Audio Engineer, 99¢ Dreams Records, Detroit, MI and New York, NY, June 2010—present

- Built and maintained professional studio for all aspects of sound recording, mixing, and advanced production techniques.
- Created JavaScript/HTML5/CSS web application to showcase live streams; designed all digital, and graphic assets.

Development Manager, Correctional Association of New York, New York, NY, Aug 2015—Feb 2017

- Guided major gift fundraising during a period of leadership transition at one of America's oldest human rights organizations.

Development Associate, Hetrick-Martin Institute, New York, NY, Jul 2014—May 2015

- Managed MS SQL server database and developed data collection and reporting workflows.
- Trained users, recruited Director of Information Technology to develop and guide the LGBTQ nonprofit organization's IT plan.

CRM Developer, Consultant, New York, NY, Jan 2013—Jul 2014

- 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.
- Coauthored Why Every Nonprofit Needs CRM and How To Get It Right, a guide for nonprofits to better understand CRM.

Development Associate to Executive Office, Amnesty International USA, New York, NY, Jun 2012—Jan 2013

- Executive aide to Amnesty International USA Executive Director and former U.S. Deputy Secretary of State Suzanne Nossel.
- Administered MySQL database, solicited donations in support of international human rights.

Database Administrator, Robert F. Kennedy Human Rights, New York, NY, May 2011—Jun 2012

- Administered and customized Salesforce application for team offices in New York, Washington, D.C. and Florence, Italy.
- Developed business intelligence systems in support of fundraising efforts.

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