

# William Roy Hubenschmidt, Software Developer

[whubenschmidt@gmail.com](mailto:whubenschmidt@gmail.com) | 347-909-0064 | [linkedin](#) | [portfolio](#) | 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—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