William Roy Hubenschmidt, Software Engineer || Audio Engineer

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Multi-disciplined technology and creative professional.

William's knowledge of programming, systems and information technology includes full-stack software engineering, application development, server-side programming, front-end design, Linux, PostgreSql, MySQL, MongoDB, RESTful APIs, Node.js, React.js, MVC progressive web apps, git, CRM, agile product development, databases, and audio engineering.

Programming in **Java, C++, JavaScript, TypeScript, and PHP.**

Software Engineer, **Freelance,** Ann Arbor, MI and New York, NY, Jan 2019—present
▪ Computer sales and CRM application development at Adorama, Inc (New York, NY).
　　· Developed searchable product database, web scraper, and CRM interface using ReactJS progressive web application.
　　· 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.
　　· Sold computer, audio, and visual hardware and software to leading NYC photography and film professionals.
▪ CRM, user interface and email marketing application development at 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.

Audio Engineer, **99¢ Dreams Records**, Ann Arbor, MI and New York, NY, Jul 2010—present
▪ Deeply experienced in all aspects of recording, mixing, advanced production techniques, and live performance production.
▪ Built word-of-mouth following among international music buyers through production and distribution of vinyl and cassette releases.
▪ Designed all front-end web, digital, and graphic assets using HTML5/CSS/JavaScript/jQuery.

Individual Philanthropy Officer, Correctional Association of New York, New York, NY, Aug 2015—Apr 2016
▪ Guided major gift fundraising during a period of leadership transition at one of America's oldest prison reform organizations.
▪ Database management: Enhanced Raiser's Edge database usage through key performance indicators in fundraising.
▪ Communications: wrote advocacy newsletters in support of criminal justice reform to dismantle the prison industrial complex.

Development Associate, Hetrick-Martin Institute, New York, NY, Jul 2014—May 2015
▪ Database management: 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
▪ Implemented CRM solutions to improve sales analytics, business intelligence, customer retention, and lead generation.
▪ Web development and database management for nonprofit organizations and small business clients including Japan Society, James & Company, Color + Information, and Creative Connections NYC.
▪ 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
▪ Fundraising aide to Amnesty International USA Executive Director and former U.S. Deputy Secretary of State Suzanne Nossel.
▪ Designed, tested, and implemented MySQL database for major donors; solicited six-figure donations in support of international human rights.

Database Administrator, Robert F. Kennedy Human Rights, New York, NY, May 2011—Jun 2012
▪ Salesforce: implemented, customized, and administered database for team offices in New York, Washington, D.C. and Florence, It.
▪ Wrote complex database queries, developed business intelligence systems in support of fundraising efforts.
▪ Cofounded RFK Young Leaders, a young professionals' network to empower human rights activists and defenders.

Grant Writer and Database Analyst, **AmeriCorps VISTA**, Austin, TX and New York, NY, April 2009—May 2011

EDUCATION
Eastern Michigan University, Ypsilanti, MI, May 2021—Dec 2022, Bachelor of Science, Computer Science

Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY, Jan 2019—Jun 2019, Columbia Engineering Executive Education Certificate, Computer Software Engineering

University of Michigan, Ann Arbor, MI, Aug 2004—Apr 2008, Bachelor of Arts, American Culture, Music Minor