

William Roy Hubenschmidt, Web Developer || Database Developer || Audio Engineer

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William Hubenschmidt is a full-stack developer building high performance applications using the web. He has held diverse technology and fundraising roles with international affairs organizations and small to midsize businesses.

TECHNICAL BACKGROUND

William's knowledge of web and systems technology includes full-stack software engineering, database management, front-end design, RESTful API development, CRM, enterprise software, back-end systems, business intelligence, agile product development, continuous integration/continuous deployment, and information architecture. **Skills, programming languages, and frameworks include** JavaScript, TypeScript, Node.js, React.js, Express, PostgreSQL, MongoDB, Material-UI, Bootstrap, HTML5, CSS, jQuery, Mocha, Travis CI, Heroku, relationship management systems, content management systems, performing arts technology, sound design, multitrack recording, commercial sound production.

PROFESSIONAL EXPERIENCE

Full-Stack Developer, New York, NY, Ann Arbor, MI Jan 2019—present

- Computer sales and CRM application development at Adorama, Inc.
 - Developed searchable product database, web scraper, and CRM interface using ReactJS progressive web application.
 - Created PERN stack application to consume JSON data from REST APIs of competitor product applications. Used JSON to store and exchange information between browsers and REST APIs.
 - Created custom components for data manipulations and to display data in searchable format.
- CRM, user interface and email marketing application development at Tame Your Wallet (Ann Arbor, MI).
 - Kanban methodology to implement agile software development using Reactjs MVC framework and create Single Page Application (SPA).
 - Developed back end service using Node.js and ExpressJS to exchange JSON data with PostgreSQL persistence layer.

Audio Engineer, 99¢ Dreams Records, New York, NY, Jul 2014—Jul 2018

- Designed all front-end web, digital, and graphic assets using HTML5/CSS/JavaScript/jQuery.
- Built word-of-mouth following among international record buyers through production and distribution of vinyl and cassette releases;
- Featured music on Seth Troxler's BBC Radio 1 Essential Mix; • Managed collaborative recording sessions, executed all aspects of sound design, mixing, and post-production.

Individual Philanthropy Officer, Correctional Association of New York, New York, NY, Aug 2015—Apr 2016

- Enhanced Raiser's Edge database usage through key performance indicators in fundraising. • Guided major gift fundraising during a period of leadership transition; • Raised awareness of human rights in support of criminal justice reform

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

- Optimized Raiser's Edge database and developed data collection and reporting guidelines for the fundraising and accounting offices;
- Recruited Director of Information Technology, leading to their hire and multiyear tenure.

CRM Database Developer, freelance, New York, NY, Jan 2013—Jul 2014

- Implemented CRM solutions to improve sales analytics, business intelligence, relationship mapping, and lead generation;
- Database and web development for clients including Japan Society, the Jewish Agency, 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 for Executive Director and former U.S. Deputy Secretary of State Suzanne Nossel. • Designed, tested, and implemented telemarketing database; solicited donations in support of international human rights.

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

- Implemented, customized, and administered Salesforce.com for team offices in New York, Washington, D.C. and Florence, It;
- Wrote complex database queries, developed business intelligence systems in support of institutional capacity projects;
- Cofounded RFK Young Leaders, a young professionals' network to empower human rights activists and defenders;
- Developed and executed strategic fundraising plan to establish a new human rights education Program Officer position.

EDUCATION

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