Daniel Madden Crawford

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Summary

- 10 years of full stack, front end, back end web development.
- Developed, maintained and supported products from prototype phase into production.
- Adept at progressing and updating legacy systems to improve developer and user experiences.
- Experienced with MVC frameworks, REST APIs, and client-side frameworks.
- Worked with private servers and scalable cloud services like AWS and Google Cloud.
- Complimentary skills: Graphic design, audio/video editing, music composition.

Work Experience

Senior Software Engineer, *Bluesight*   2019 - Current

- Implementing features and fixes across multiple Frontend and Backend services
- Ensure security for Patient Health Information
- Write / manage integrated testing via CD/CI flows for a complex, multi-service system
- Lead high level architectural changes, including major refactoring of core legacy code
- Design and maintain core asynchronous data workflows
- Ruby on Rails, Angular, MySQL, AWS (Lambda, CodeBuild, ECS, EC2, RDS, S3)

Developer, *Wonderize GmbH*   2018

- Created online business intelligence tools to respond to the company's changing needs.
- Worked with Amazon Web Services including DynamoDB, S3, EC2 and Data Pipelines as well as integrating the PHP and JS SDKs.
- Data Pipelines as well as integrating the PHP and JS SDKs, optimization and code reuse.
- Improved legacy projects by creating Docker files, adding test frameworks and unit tests, implementing documentation tools and BitBucket Pipelines.
- Developed products with PHP 7, JavaScript ES6, NodeJS, Typescript (Backend and Frontend), Angular, HTML/CSS, NoSQL and Capistrano.

Work Experience (cont.)

Developer and Designer, *AudioNow*   2013 - 2017

- Developed products and features end-to-end.
- Updated user website, increasing load time, improving accessibility and providing interactive statistical interfaces with Joomla, D3, jQuery.
- Designed web app infrastructure including REST API and database which serves apps for 100s of Broadcaster clients / 10K+ users with Yii, Angular 2, MySQL.
- Created web media streaming widget for our app API in native JavaScript and jQuery.
- Improved our statistics queries to allow greater scaling.
- Integrated with BigQuery, Salesforce, Soundcloud and more.
- Designed print and digital media and edited video.
- Products used PHP, HTML/CSS, Java, Angular, D3 and more.

Computer Literacy Intern, *One Economy*   2011 - 2012

- Managed database for 1000 youth among 50 affiliate programs to track their progress in digital literacy program using SalesForce.
- Leveraged Google Docs to allow greater database searching and data analysis.
- Edited and maintained program websites.
- Reviewed curriculum.

Education Intern, Haitian American Caucus   Summer 2011

- Evaluated and improved English courses in Haiti.
- Planned and promoted pedagogy conference.
- Graphic design and writing for newsletter.

Intern, Active Minds, Inc.   Spring 2011

- Event Planning.
- Newsletter writing.
- Graphic design for a nationally traveling exhibit.

Student Manager, Boston University   2006-2009

Resident Assistant, Boston University   2007-2009

Computer Science Grader, Boston University   2007 - 2009

Computer Science Tutor, Boston University   2007 - 2009

Volunteer Experience

Global Language Network   2011 - 2012

- Graphic design for Annual Reports, Strategic Map and other educational and promotional materials.
- Technical website support
- Teacher evaluations

Université Catholique de Lyon   2009 - 2010

- Worked in the International Student Office aiding students foreign to France acclimatize to their new environment, become involved in student activities and fulfill formal obligations.

Skills

Technical

Languages	Tools / Frameworks
Ruby	Rails, Sidekiq, Bundler
JavaScript (ES5, ES6)	NodeJS, Angular, Typescript, D3, jQuery
PHP (5.6, 7+)	Yii, Joomla, Slim, WordPress
MySQL, HTML5, CSS	SASS
Java, Bash, MatLab	
NoSQL	DynamoDB

Other Tools: Git, BigQuery, SVG, Docker, AWS

Design: Adobe Illustrator, Photoshop, Premiere, Acrobat DC, InDesign, GIMP
Language: French (B2-C1), German (B1/2)
Other: Ableton Live, Audacity, Finale, Microsoft Office

Education

MA International Education, George Washington University   2012

Specializing in marginalized populations, language policy and programming in developing conditions.

Diplôme de langue et de culture françaises, Univ. Catholique de Lyon 2010

Level B1+ Mention Très Bien, Certificate DELF B2.

BA Computer Science, Boston University   2009

Courses in: Machine Learning, Image Analysis, Software Engineering, and Databases.

BA Biology, Boston University   2009

Courses in: Vertebrate Zoology, Neuroscience, Biochemistry, Organic Chemistry.