SAM RUBIN

FULL STACK SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE +

Deloitte Digital, Software Engineer II   *2015-Present*

- Develop and deliver responsive and progressive web applications in an agile project environment
- Responsibilities include leading app development teams, system architecture design, rapid prototyping of features, writing front-end and server-side code, provisioning cloud services, creating CI/CD pipelines, and mentoring junior developers
- Technologies in production include progressive web apps (PWAs), search engines, relational and NoSQL databases, automated database backups, user authentication (AWS Cognito, JWT), RESTful APIs, Jenkins pipelines, Amazon Web Services (EC2, RDS, S3, IAM), build tools (Gulp, Grunt, Webpack), testing and code coverage (Jasmine, Karma), Docker, and HIPAA compliant environments
- Crafted and executed Deloitte's nationwide new hire training program 3 years in a row, impacting several thousand individuals

Project Spotlight #1: NIEM Movement, beta.movement.niem.gov

- Led application architecture and built an open-source Progressive Web App (PWA) for the National Information Exchange Model, allowing customers to search a dictionary of over 15,000 items and download the JSON schema for any subset of these elements
- Impact: Established open-source presence for client by setting up an open-source environment including an issues log, Projects board, Wiki, and a CI/CD pipeline (AWS, Jenkins, Docker) that builds the app on post-commit hooks

Project Spotlight #2: Z-CAN Product Suite, zcanpr.org

- Built three web apps for the CDC Zika Contraception Access Network (Z-CAN), which allow users to search for nearby clinics, access several dozen pages of content, sort and filter over 200 FAQs, and allow clinic providers to securely upload patient forms into a HIPAA-compliant environment complete with login and authentication, PDF storage, form field parsing, and CSV download
- Led day-to-day engineering team, performed code reviews, and mentored junior developers
- Impact: The apps led to over 10,000 in-clinic patient visits for the CDC, with 94% of visiting women obtaining a form of contraception

Deloitte Consulting, Business Technology Analyst   *2014-'15*

- Improved product UX and performance via web solutions using Grails, MySQL, and JavaScript in an agile project environment
- Wrote VBA scripts to reduce managers' bi-weekly project update time by 92% (from six hours to under thirty minutes)

Foot & Ankle Specialists of VA, Web Designer / Developer   *2014*

- Designed and developed responsive website for the practice, including an online appointment request form that automatically sends e-mail notifications to office front desk via Google Sheets, resulting in over 100 new patients in first year of website operation

SKILLS +

CSS / Sass	jQuery	Node / Express	Docker	Apache Solr	Git
Firebase	AngularJS	MongoDB	Jenkins	AWS	Gulp / Grunt
JavaScript (ES6)	Karma / Jasmine	MySQL	nginx	Bash Scripting	Webpack

EDUCATION +

University of Virginia
B.S. Systems Engineering
Concentration: Computer Science
Minor: Business
Major GPA: 3.80/4.0
Cum GPA: 3.71/4.0

OPEN-SOURCE PROJECTS +

samrubin.co Personal and professional web development blog and portfolio built with Jeykll and AMP
Alex Trebot Jeopardy chatbot built on api.ai
honeycombs.js jQuery plugin for producing a responsive grid of hexagons
dumptrumpgame Parody HTML5 Canvas Game for the web