Robert O'Connor • he/him   robby.oconnor@gmail.com   LinkedIn /in/robbyoconnor
New Windsor, NY   +1 (917) 426-7020   GitHub /robbyoconnor

Relevant Experiences

MindForge   **Columbus, OH (Remote)**
Full Stack Developer, Platform Team   June 2022 - March 2024
- Maintained Legacy Flask application (AWS Elastic Beanstalk)
- Created and maintained AWS Lambda scheduled tasks to extract business intelligence metrics from RDS(MariaDB) for the business to be put into Domo
- Worked towards migrating to microservices piecemeal using AWS Serverless Application Model, AWS Lambda, RDS(MariaDB), ElastiCache, and DynamoDB
- Researched and implemented improvements to mobile push message notifications in both legacy and microservices

LibreHealth (Software Freedom Conservancy)   **Global (Remote)**
Infrastructure Engineer, Steering Committee Member   2016 - Present
- Architected greenfield shared project infrastructure in OpenStack (OSUOSL) and on Digital Ocean. Introduced and adopted engineering best practices like configuration management (Ansible), observability and monitoring (Datadog, Uptime Robot, updown.io), etc.
- As part of Steering Committee, managed and sourced technical funding, stewarded technical decisions through open-source meritocracy.

OpenMRS   **Global (Remote)**
Infrastructure Manager, Identity Systems   2015 - 2016
- Maintained SSO identity service (Node.js, MongoDB, OpenLDAP) and integrated SSO for disparate systems. Introduced Docker, completely improving the safety of production deployments. Immediately benefited from effective iterative changes because of easy CD and testing.
- Provided infrastructure team direction and steering, support to the community, participated in 24-hour on-call rotations and responses.

Google Summer of Code & Code-in Competition   **Global (Remote)**
Mentor, Organization Administrator   Summers 2011 - present
- As Mentor: teach practical software development skills not learned in the classroom, instill effective technical communication, establish realistic work objectives & expectations, and provide continuous 1:1 feedback/evaluation to temper students into engineers.
- As Organization Administrator, screen and hire candidates and mentors, establish timelines and scopes of work for Students, and build/maintain a safe, inclusive, and effective learning environment. Work collaboratively with Mentors to ensure student growth while meeting or exceeding performance indicators. Problem-solve underperforming groups with continuous evaluation. Compassionately and confidentially respond to reports of objectionable behavior (e.g. harassment, abuse), handle interpersonal issues, and conflicts of interest.

Software Engineer   *Summers 2008 - 2010*
- 2010: developed an impact assessment/survey tool for disaster relief (Sahana Eden). 2009: developed a non-patient-centric data collector for statistical reporting (OpenMRS). 2008: developed a new medical record entry system using Apache Groovy (OpenMRS).

Other Interests

Hack Manhattan Public STEAM Makerspace   **New York, NY**
Founding Member; Member-at-Large of the Board of Directors   2012 - 2022
- As a trusted privileged member, managed on-premises IT and online infrastructure. As a member, supported newcomers and visitors interested in art/craft/technology to come in, work on their projects, and join the membership organization and community around it.
- As a board member, made technology and activity steering decisions while maintaining a fiduciary duty to the organization.
- NYC Makes PPE: during the pandemic, developed/maintained public web properties and internal tools, managed delivery data, as part of a group of makers & healthcare professionals leveraging DIY manufacturing technologies to support PPE production & supply.

Education and Skills

Bachelor of Arts, Computer Science @ Hunter College, City University of New York (CUNY). Awarded 2015.
- Founder and President, Association for Computing Machinery (ACM) Student Chapter (computing/informatics society).
- Scrum Master & Software Engineer @ CUNY Codes. Led 3-person team to develop crowd-sourced street parking app. Worked client (Android OkHttp, Google Maps API) to backend (Ruby on Rails, geospatial queries w/PostgreSQL+PostGIS). Mentored future cohorts.

Associate in Science, Computer Science @ State University of New York (SUNY) Orange. Awarded 2010.

Languages	Technologies	Databases	Infrastructure	Platforms	Tools	Methodologies
Bash, Ruby, Javascript, Python, Java	APIs (REST, SOAP), Web (HTML5, CSS3, SCSS, Sass, LESS, JQuery), Node.js, Rails	MySQL/MariaDB, SQLite, PostgreSQL/PostGIS, MongoDB	Amazon Web Services, Cloudflare, Digital Ocean, Google Workspaces, Rackspace	Web, Windows, Linux, Android, Docker	Ansible, Terraform, GitHub, GitLab, Vagrant, Atlassian BitBucket & Confluence & Jira	Agile, SCRUM, Continuous Integration & Deployment