

ZABIR HOSSAIN

Cell Phone: (646)301-4129
Email: zabir8809@gmail.com

Github: <https://github.com/zabir8809>
LinkedIn: <https://linkedin.com/in/zabir8809>
Portfolio: <https://zabir8809.github.io>

Education

- CUNY City College of New York M.S. Physics 2015
- CUNY City College of New York B.S. Physics (Honors Research) minor in Mathematics 2014.

Skills

Ruby on Rails(MRI/ JRuby), JavaScript, React.Js, Angular 2, Ajax/JSON/XML/REST APIs, SQL Database, ElasticSearch, Caching database, HTML5, CSS3, SASS, Github, Unit Testing, MVC, Object-oriented programming, Linux, AWS(services: EC2, RDS, SES, SNS, S3, Cloudfront, VPC, Route 53), IBM Cloud, Docker, Kubernetes, Cloud Foundry, Openshift, Cloudflare, Akamai.

Work Experience

IBM

Cloud Architect

June 2019 - Present

Focus on setting up Cloud Native infrastructure for app teams. I work primarily with internal constituents. I provide guidance, technical enablement, build demos/PoCs, architecture patterns, and help partners develop their technical architecture as they adopt the hybrid cloud strategy.

Common Tech: Containerization, Docker, OpenShift, Kubernetes, Cloud Foundry, Cloudflare CIS, Akamai, AVI, High availability and disaster recovery infrastructure, Artifactory/Container Registry, enterprise databases, Github, Jira.

Economic Systems Inc.

Full Stack Engineer

March 2017- May 2019

Software Consultancy: Develop and support web applications for government agencies. Tech: Ruby on Rails, Sinatra, SQL/ElasticSearch/Logstash, JQuery, React.Js, Angular 2, Sass, Bootstrap.

Climate.IQ

Full Stack Engineer

May 2016 - February 2017

Developed a climate risk evaluation web application that enables users to accurately and cost-effectively evaluate their exposure to major climate risks. Tech: Ruby on Rails, PostgreSQL, Bootstrap, JQuery/JavaScript, Sass, AWS.

NYMVIC Non-Profit Organization

Software Engineer

March 2016 - May 2016

Built a voter engagement platform to curate and manage voter subscription and an outreach pipeline through emails and text messages. Tech: Ruby on Rails, PostgreSQL, JavaScript/JQuery, Bootstrap, Sass, AWS, SES, Twilio.

Institute of Ultrafast Spectroscopy and Laser (IUSL) City College of New York

Research Assistant

July 2012 - August 2014

Area of Research: Nonlinear Optics, Spectroscopy, and Interferometry, Lasers, Fiber Optics.

Journal Publication:

- “Tuning vector vortex in spatially coherent supercontinuum multicolored optical beam using q-plate” Proc. SPIE 8999, Complex Light and Optical Forces VIII, 89990 D (February 2014); doi:10.1117/12.2042102
- "Tunable supercontinuum light vector vortex beam generator using a q-plate" Optics Letters, Vol. 38, Issue 23, pp. 5083-5086 (October 2013).

Awards:

- Recipient of Army Educational Outreach Program Undergraduate Academic Research Grant (2013).
- Recipient of Joseph Grossfield Memorial Academic Scholarship (2011).