

ZABIR HOSSAIN

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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.

Work Experience

IBM

Senior Cloud Architect

June 2019 - Present

- ✓ Led & prioritized the development of a Hybrid Cloud Governance solution to monitor and develop policies for end-user cloud consumption.
- ✓ Engage cross-organization teams and led the development of the Application Modernity Index solution to monitor and incentivize hybrid cloud adoption.
- ✓ Drive application modernization & cloud-native infrastructure adoption through office hours & consultations.
- ✓ Established opinionated best practices & provide guidance in application design for migration and modernization through demos/PoCs & reference architecture patterns.
- ✓ Led the development and continuous improvement of design patterns for business-critical applications to adopt hybrid cloud platforms.
- ✓ Actively interviewed prospective cloud architects for roles within the team.

Skills/Technology: Docker containers | OpenShift | Kubernetes | Load Balancers | Web Application Firewalls | Message Queues | High availability | CI/CD | Enterprise databases | Github | NodeJS | ReactJs | RESTful API | Unit Testing.

Economic Systems Inc.

Full Stack Engineer

March 2017- May 2019

- ✓ Develop and support Ruby on Rails applications for federal agencies.
- ✓ Develop data visualization UI for heavy data-based applications.
- ✓ Created a data visualization npm library based on Angular and D3js to dynamically plot charts with accessibility as a key feature to support 508 standards.

Skills/Technology: Ruby on Rails | Sinatra | SQL/ElasticSearch/Logstash | JavaScript | Angular 2 | ReactJs | D3js | CSS Bootstrap | GitHub | Jira.

Climate.IQ

Full Stack Engineer

May 2016 - February 2017

- ✓ Developed a climate risk evaluation application that enables users to accurately and cost-effectively evaluate their exposure to significant climate risks.
- ✓ Manage web application development & actively involved in business model development, product development, and full software cycle development.

Skills/Technology: Ruby on Rails | PostgreSQL | PostGIS | CSS Bootstrap | JavaScript | Chartjs | Google API | RabbitMQ | AWS(services: EC2, RDS, SES, SNS, S3, Cloudfront, VPC, Route 53).

StrategyHack

Intern Developer

November 2015

- ✓ Contributed to the development of a content marketing web application with a database of influencers categorized by search filters.

Skills/Technology: Ruby on Rails | PostgreSQL | Bootstrap CSS.

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).

Coding Projects:

An npm UI rendering generator built on React.js and bootstrap 4. [Learn more.](#)