

# Parthiv Mohan

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Email: xxxxxxxx@xxxxxxxx.xxx  
Website: <https://pmocal.github.io>  
Projects: <https://github.com/pmocal>

*Working as contract full-stack developer while seeking out full-time role in the civic technology field.*

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## EXPERIENCE

### Various Clients

*Contract Full-Stack Developer (see below for length of time worked and hours per week)*

**Remote**

*01/2020 - Present*

- Worked on enterprise client application front & back end (Vue.js, Django) (*40 hrs per week 11/2020 to present*)
- Built dashboard application in Django for cybersecurity compliance for a startup (*8 hrs per week 7/2020-4/2021*)
- Built ETL pipeline for AI startup to retrieve clients' HR/IT ticketing data (*30 hrs per week 4/2020-8/2020*)
  - Implemented performant (~500 rows/sec) solution that can be run at time intervals; documented all of it
  - Easily configured and extended (with ServiceNow & Jira Service Desk supported out of the box)
- Built sites with Node.js & Vue for jewelry appraisal firm, writer, & other clients (*35 hrs per week 1/2020-4/2020*)
- Began freelancing on Upwork after web development self study via [Odin Project](#) (*30 hrs per week all of 2019*)

### US Census Bureau

*Enumerator (8 hrs/week)*

**Brooklyn, NY**

*08/2020 - 11/2020*

- Visit households that haven't responded to the 2020 Census, speaking with residents to collect 2020 census data

### Code Nation

*Front-End Coding Instructor Volunteer (6 hrs/week)*

**Brooklyn, NY**

*09/2018 - 06/2019*

- Taught the Foundations Course at Williamsburg Charter High School 2 days a week for the 2018-19 school year

### IBM Research

*Software Engineer (40 hrs/week)*

**Yorktown Heights, NY**

*03/2017 - 06/2018*

- Helped IBM team build/maintain API Harmony, a catalog of web APIs that helps developers find and use APIs
  - Implemented walk through tour for the application, developed admin site for it in Ruby on Rails
- Developed Business Process Management software for event processing, monitoring, and analytics via cloud
  - Worked as part of 2 man team in NY but regularly synced with stakeholders and distributed global team
  - Wrote scripts, stored events in Elasticsearch, built user-facing dashboards for KPIs, wrote documentation

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## SKILLS

**Advanced:** - Python, JS, Jamstack architecture, HTML/CSS, Bash, SQL, Django, Vue, Java, Jest (unit, integration)  
- Relational DBs, MVC/MVT design, Docker, AWS, REST, Heroku, Git, Talend, Bootstrap, MongoDB

**Intermediate:** - Rails, C, C++, TDD, Pandas, Numpy, Angular.js, React.js, Powershell, Chart.js, Nuxt.js, JUnit, ANDI  
- Kibana, OpenAPI Specification, Webpack, Elasticsearch, MapReduce, Machine Learning, Linting

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## EDUCATION

### University of California, Berkeley

*B.A. Computer Science, B.A. Cognitive Science; Minor in Creative Writing*

**Berkeley, CA**

*08/2012-08/2016*

**Relevant Coursework:** Database Systems; Artificial Intelligence; Machine Learning; Intractable Problems & Efficient Algorithms; Industrial Databases; Computer Architecture; Data Structures; Signals & Systems; Discrete Math; Combinatorics & Probability; Linear Algebra & Differential Equations; UNIX

**Freie Universität Berlin (UC Education Abroad Program in Berlin, Germany)**

*08/2015-12/2015*