Parthiv Mohan

xxxxx xxxxxxxx xx   pmocal.github.io   xxxxxxxx@xxxxxxxx.xxx
xxxxxxx, xx xxxxx   (xxx) xxx-xxxx

EXPERIENCE

From 8/2018 to the present I have been working part-time while building skills towards being a great full-stack developer. I have filled gaps in my web development knowledge by going through open source curriculum [The Odin Project](#) and I am currently building projects (viewable on Github) with a MongoDB/Express/Vue.js/Node.js stack. I am open to freelance work while also seeking out full-time positions as a full-stack developer in civic tech.

Code Nation   **Brooklyn, NY**
Front-End Coding Instructor Volunteer   *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   **Yorktown Heights, NY**
Cognitive Software Engineer   *02/2017-07/2018*

- Helped build and maintain API Harmony, a catalog of web APIs that helped developers find and use APIs
  - Implemented tour for the Node app and modified app's Vue components, developed admin site in Rails
- Developed Business Process Management software for event processing, monitoring, and analytics via cloud
  - Stored events in Elasticsearch, built user-facing Kibana dashboards for KPIs, scripted, and documented

Pandora Media, Inc.   **Oakland, CA**
Software Engineer Intern   *06/2015-08/2015*

- Overhauled Pandora Developer Center, web portal through which third-parties (Ford, BMW, etc.) accessed API
  - Restructured registration, sign-in, license acceptance, & dev management to decrease admin overhead

MapR Technologies   **San Jose, CA**
Software Engineer Intern   *05/2014-08/2014*

- Improved MapR M7, their Hadoop distribution with integrated NoSQL database that supported HBase API
  - Created performance infrastructure in C++ to monitor regression in the HBase command codepath
  - Wrote MapReduce jobs to verify replication between HBase tables and mitigate discrepancies

EDUCATION

University of California, Berkeley   **Berkeley, CA**
B.A. Computer Science, B.A. Cognitive Science; Minor in Creative Writing   *08/2012-08/2016*

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

SKILLS & PROJECTS

Projects
https://github.com/pmocal/

Languages/frameworks
Advanced: Python, Javascript, Java, Vue.js, Node.js, Handlebars.js, HTML/CSS, Bash, SQL
Intermediate: Ruby, Rails, ElasticSearch, Postgres, MongoDB, C, C++, JUnit, webpack, Express.js

Concepts/technologies
Advanced: unit testing, integration testing, test driven development, Map Reduce, Heroku, Github
Intermediate: acceptance testing, Git, Amazon Web Services, Kibana, Docker, OpenAPI Specification