Parthiv Mohan

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www.parthivmohan.me

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EDUCATION

University of California, Berkeley   **Berkeley, CA**
B.A. Computer Science, B.A. Cognitive Science; Minor in Creative Writing; GRE Verbal: 169   *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

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EXPERIENCE

From 08/2018 to the present I have been working on becoming a confident and skilled web developer via open source curriculum [The Odin Project](), filling gaps in my full-stack development knowledge and equipping me for civic tech roles.

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*

- Help build and maintain API Harmony, a catalog of web APIs that helps 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, scripting & documentation

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.) access API
  - Restructured registration, sign-in, license acceptance, & dev management to decrease admin overhead
  - Wrote front & back end (database, client-side, server-side) code that went live; unit/acceptance tests

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

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

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SKILLS & GITHUB PROJECTS
https://github.com/pmocal/

Expert
- Python
- Java
- HTML/CSS/JavaScript
- Bash, SQL, unit/acceptance/integration testing, test-driven development, Zenhub

Proficient
- Ruby on Rails
- Vue.js
- Node.js
- Elasticsearch, Kibana, AWS, Heroku, Docker, Postgres, Git, C, C++, JUnit, OpenAPI Specification