Parthiv Mohan

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Projects: https://github.com/pmocal

Freelancing as a full-stack developer while seeking out full-time positions in the civic technology field.

EXPERIENCE

Various Clients   **Remote**
Freelance Full-Stack Developer (see below for hrs/week and length of time worked)   *01/2020 - Present*

- Worked on enterprise client application front & back end (Vue.js, Django) *(40 hrs/week 11/2020-3/2021, now 25)*
- Built ETL pipeline for AI startup to retrieve clients' HR/IT ticketing data *(30 hrs/week from 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 dashboard application in Django for cybersecurity compliance for a startup *(8 hrs/week 7/2020-4/2021)*
- Built sites with Node.js & Vue for jewelry appraisal firm, writer, & other clients *(35 hrs/week 1/2020-4/2020)*
- Began freelancing on Upwork after web development self study via Odin Project *(30 hrs/week throughout 2019)*

Code Nation   **Brooklyn, NY**
Front-End Coding Instructor Volunteer (6 hrs/week)   *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**
Software Engineer (40 hrs/week)   *02/2017 - 07/2018*

- 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

Pandora Media, Inc.   **Oakland, CA**
Software Engineer Intern (40 hrs/week)   *06/2015 - 08/2015*

- Overhauled Pandora Developer Center, web portal through which partners like car manufacturers accessed API
    - Restructured registration, sign-in, license acceptance, and dev management to decrease admin overhead

SKILLS

Advanced: - Python, Javascript, HTML/CSS, Bash, SQL, Django, Vue.js, Node+Express+Handlebars, Java, Numpy
                   - Relational databases, MVC/MVT design patterns, Docker, AWS, REST, Heroku, Git, TDD, Talend

Intermediate: - Ruby on Rails, C, C++, JUnit, Pandas, Numpy, Angular.js, React.js, Powershell, Bootstrap, Chart.js
                   - Kibana, OpenAPI Specification, Webpack, ElasticSearch, MongoDB, MapReduce, Machine learning

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; 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*