Parthiv Mohan

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EXPERIENCE

California Department of Healthcare Access & Information   **Hybrid (Remote/Sacramento, CA)**
Software Engineer (40 hrs per week)   *03/2022 - Present*

- Develop web-based applications for overseeing construction & renovation of all California hospitals
- Work as technical lead in eServices Development Group writing JavaScript, shell scripts, & SQL queries
- Lead team transition to Github & Azure Dev Ops; configure & maintain Accela and provide clients support

Various Clients   **Remote**
Freelance Full Stack Developer (see below for hours per week & length of time worked)   *01/2020 - 02/2022*

- Worked on front (Vue) & back (Django API with Postgres DB) end of client enterprise application
  (40 hrs per week 11/2020 to 02/2022)
- Built out & documented Django dashboard application for cybersecurity compliance startup
  (8 hrs per week 07/2020 to 04/2021)
- Created ETL pipeline for AI startup to enable frequent fetch of client HR/IT ticketing data
  - Supported fetch from JIRA Service Desk & ServiceNow with extensibility to other ticketing providers
  - Independently implemented performant (~500 rows/sec) solution & documented it
  (30 hrs per week 04/2020 to 08/2020)
- Built web applications/sites using Node & Vue for jewelry appraisal company, writer, & other clients
  (35 hrs per week 01/2020 to 04/2020)

IBM Research   **Yorktown Heights, NY**
Software Engineer (40 hrs per week)   *03/2017 - 06/2018*

- Developed Business Process Management software for event processing, monitoring, & analytics via cloud
  - Stored events in ElasticSearch, built user-facing dashboards for KPIs; wrote scripts & documentation
- Helped build & maintain API Harmony, an open-source intelligent catalog of web APIs for developer use
  - Implemented administrative site in Rails &, for the production site, a walkthrough tour in JavaScript

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SKILLS

- **Advanced**
  - JavaScript, Java, Python, Django, Vue, HTML/CSS, SQL, Bash, Node, Postgres, Docker, Git
  - REST; Model–View–Controller; Unit Testing; Integration Testing; Acceptance Testing; Agile

- **Intermediate**
  - C++, Matlab, Rails, Angular, ElasticSearch, Maven, Ant, JUnit, Heroku, Webpack, Talend
  - Test Driven Development; MapReduce; Extract, Transform, Load; Machine Learning; Linting

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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: Efficient Algorithms & Intractable Problems; Randomized Algorithms & Probabilistic Analysis; Introduction to Artificial Intelligence; Introduction to Machine Learning; Introduction to Database Systems; Discrete Math & Probability Theory; Signal Processing; Industrial Database Systems; UNIX; Machine Structures; Data Structures; Linear Algebra & Differential Equations; Economic Statistics & Econometrics

Freie Universität Berlin (UC Education Abroad Program)   *08/2015 - 12/2015*