

Pravina Visakan

full-stack web developer

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Git: <https://github.com/pravinavisakan>

EDUCATION

Bachelor of Science, Computer Science

University of California, Los Angeles **2016-2020**

- Minor: English
- Relevant Courses:
 - Software Engineering – Computer Graphics
 - Artificial Intelligence – Algorithms
 - Computer Networking – Artificial Life

SKILLS

Languages:

Python, Javascript, Typescript, C++, Lua, Haskell, Common Lisp

Technologies:

Django, Ansible, Web Components, Postgres, SQL, HAProxy, Nginx, Apache Spark, React, Node.js, Catch, Boost, MongoDB, Git, Gitlab with CI/CD, Docker, Linux, Vim, CMake ...and others!

WORK EXPERIENCE

Web Applications Engineer

2020-2023

Internet Archive - San Francisco, CA

- Developed dynamic web archive access portals for national libraries and nonprofit organizations using Django, web components, and Elasticsearch
- Instrumented the deployment of full text search infrastructure with caching and rate limiting support using Ansible, memcached, and HAProxy
- Developed features and bug fixes for an Elasticsearch-backed full text search service
- Developed Python tooling and engineering workflows for a new web archive ingest service with regular multi-terabyte job sizes using HDFS and Spark
- Maintained and developed features for a web crawling service web app used by over 800 institutions and individuals, based on Django, Postgres, and a variety of crawling technologies
- Provided on-call web crawling operations using SQL, Bash, and Linux administration knowledge

Full-stack Developer

2018-2020

B. John Garrick Institute for the Risk Sciences (UCLA) - Los Angeles, CA

- Full-stack development of online risk assesment applications for JPL and PG&E in a group consisting of domain experts and several developers
- Integrated engine features with a Django-based backend/ORM, exposing them to a web-based client using a RESTful API
- Utilized the API to construct front-end facing features with React, Material-UI, and custom components
- Contributed to wrappers linking together various technologies, such as React and traditional DOM-oriented Node modules, and Python wrappers around C++ using Cython
- Worked with devops and deployment pipelines with Docker and Gitlab CI/CD
- Mentored new developers and prepared API documentation for internal development use and client presentations

ADDITIONAL PROJECTS AND ACTIVITIES

Trans/gressive Poetry Workshop

2024

Trans poetry workshop. Participated in weekly meetings and helped lead a public event on May 18th for the International Day Against Homophobia, Transphobia, and Biphobia

Spur

2019

Team project. Architected and created event-sharing app while mentoring team members on Git and React. Used React Native, Firebase, and Expo.

Opinion Columnist

2016 - 2019

Daily Bruin - <https://dailybruin.com/author/pravin-visakan>