

Keith Richards

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Work Experience

Software Developer

RTI International (Jan 2017 to Present)

- Serve as principal engineer on health economics platform written in Python, consisting of population generation, complications microsimulations, and statistical analysis, all managed by a central pipeline orchestration module. Use task queues to manage concurrent pipelines.
- Act as technical lead for SaaS police analytics platform. Manage application development using Scrum methodologies to ensure stakeholder satisfaction. Utilize continuous integration strategies to ensure code standards and unit test acceptance.
- Contribute software engineering expertise to various data science projects and applications, to include software design, environment architecture using Docker, creating and consuming RESTful APIs using Python and JavaScript, and automating deployments using Ansible. Coordinate monthly engineering training program.

Web Applications Developer

Dakno Marketing (April 2015 to Jan 2017)

- Led front end development of a SaaS real estate search application written in React from UX prototype to application deployment. Modified legacy PHP codebase to add and adapt API endpoints to meet application needs.
- Maintained over 50 relational databases containing regional real estate listings. Aggregated data from real estate boards using custom Python framework. Developed automation scripts to speed up onboarding of new regional feeds from 10 days to 3.

Cryptologic Linguist

United States Marine Corps (May 2010 to May 2015)

- Oversaw the day to day activities of subordinate Marines in a highly dynamic environment. Instructed courses on Signals Intelligence operations in classified and unclassified environments.
- Led periodic inventories and routine maintenance of over \$4M in classified equipment, in accordance with Department of Defense and Marine Corps regulation.

Education

Masters of Business Administration (Information Technology Management)

Western Governors University (2019)

Bachelor of Science - Information Technology (Software Development)

Western Governors University (2018)