ALEX COOK
FULL-STACK SOFTWARE ENGINEER

CONTACT

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EDUCATION

University of Oregon, 2015
BS Applied Physics; Optics &
Electronics

KEY SKILLS

- Python, C#, SQL, React.js
- Postgres, Redis, Airtable
- AWS – EC2, S3, Lambda
- Django, Flask, IIS, Nginx
- Git, TFS, SVN
- Redgate, Solarwinds
- Documentation Writing
- Secure App Development

INDIVIDUAL PROJECTS

- Developed a Python and Redis based Twitter-listener to gather real-time data during the Superbowl; visualized results.
- Wrote a Python based web-scraper to gather long-form illicit drug experiential data, performed sentiment analysis on resultant dataset; visualized results.
- Used Twitter-listener to follow Portland police dispatches and Mapbox to chart in real-time.
- Leveraged Reddit's open API to continuously crawl and gather data; visualized results.

PROFILE

Analytical, energetic, and detail-oriented software engineer with extensive experience in DevOps, front-end development, database design, and backend architecture in the healthcare space.

WORK EXPERIENCE

SR. FULL-STACK ENGINEER • 01/2020 – PRESENT
WELLSOURCE

- Comprehensively scoped, designed, and built application features by utilizing the entire React, C# and SQL tech stack.
- Managed both inbound and outbound app integrations with third-party development teams.
- Built a tool to ingest, translate, and store eligibility files and EHRs generated by insurance providers, hospital systems, governments, and commercial partners.
- Served on the OWASP security panel to implement quarterly audits, reviews, and application improvements.
- Identified and resolved back-end performance bottlenecks by utilizing database monitoring software and query optimization.

DEV-OPS ENGINEER • 02/2017 –01/2020
WELLSOURCE

- Created a C#-based tool that reduced code deployment time by 90% in the production environment.
- Built CI/CD pipelines using TeamCity to maintain application and code continuity between Dev, QA and Staging environments.
- Designed and implemented a SQL snapshot deployment tool by leveraging DDL triggers.

JR DATA ENGINEER • 04/2016 – 11/2016
CAREVOYANCE

- Designed, tested, and deployed data pipelines using Python web-scraping libraries and Redis queues to collect pharmaceutical and licensing information for every physician in the United States.