Greg Danko | Software Engineer

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About Me

I'm a fullstack engineer able to work across the stack on both web-based and mobile application development. Over the past few years, I have built sleek and intuitive user interfaces for varying user bases using JavaScript and React for web applications and Kotlin and Android for mobile devices, while reinforcing these experiences with resuable APIs that scale for future growth. I pride myself on being able to deliver autonomously yet work collaboratively on a team. Now I am looking to continue building on these skills while learning the nuances and intricacies of a larger engineering environment.

Skills and Competencies

Languages - Javascript (ES6), Typescript, Python3, HTML, CSS |**Libraries and Frameworks** - React.js, React-Native, Redux, Node.js, Gradle, Express, Cypress, Pandas, NumPy, Android, Kotlin, Jetpack Compose|**Database** - PostgresSQL, MongoDB|**Other** - Jira/Bitbucket, Firebase, REST APIs, GraphQL, Microservices, Git, Postman, Docker, JSON, Authentication, Twilio, AWS, Kafka, Elasticsearch

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Professional Experience

Curie AI/Numo Health - Software Engineer II | San Francisco, CA January, 2022 - Present

- Led our engineering effort to create a continuous symptom monitoring application for patients experiening respiratory malady in order to track their progress clinically.
    - Kotlin, Android SDK, Jetpack Compose, Gradle, MongoDB, Firebase, Tensorflow
- Led our engineering effort to create and launch a modular SMS service to be used by our clinicians to communicate with patients, as well as allowing for patients to confirm or reschedule their appointments via text message
    - JavaScript (ES6), Node.js, MongoDB, Twilio, Kafka, Elasticsearch, AWS, and Athena EHR
- Designed and implemented various features including video-calling, notifications, messaging, as well as the development of a pulmonary test feature using an external bluetooth spirometry deviceto be used on our clinician-focused web application and patient-focused mobile application.
    - JavaScript (ES6), React.js, React-Native Redux, Node.js, MongoDB, HTML, AWS, and CSS
- Spearheaded I adapted our existing video call infrastructure to allow for the flow of data from the patient's bluetooth spirometry device to our patient's tablet, as well as our clinician's desktop web application.
    - JavaScript (ES6), React.js, React-Native Redux, Node.js, MongoDB, HTML and CSS
- Regularly ensured code quality by using dedicated linting tools (SonarQube), and security tools (Snyk)

Nura Bio Inc - Senior Research Associate | South San Francisco, CA September, 2018 - July 2021

- Built programs in Python to maximize the efficiency of data processing, while minimizing the points of human error
- Leveraged automation and collaboration in the pursuit of scalable consistency and efficiency in a lead assay
- Developed image analysis algorithms using Python, CellProfiler, OpenCV, and ZEN
- Regularly presented data in team and company wide meetings, research published in Cell Reports.

Georgetown University - Laboratory Technician | Washington, DC August 2016 - July 2018

- Evaluated cognitive, behavioral, and histological outcomes to characterize neonatal anticonvulsant exposure in rats and macaques
- Findings were presented to faculty and colleagues of the Department of Pharmacology at Georgetown University, as well as in a publication in the Journal of Epilepsy Research

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EDUCATION

General Assembly - Software Engineering Immersive 2021

George Washington University |**Master of Science, Translational Sciences** 2016

University of Pittsburgh |**Bachelor of Science, Neuroscience** 2014