Mike Buss

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SKILLS

Programming Languages: JavaScript, TypeScript, Swift, Objective-C, Ruby, Python, C#, C, C++, Go, HTML, CSS
Frameworks & Libraries: Next.js, Ruby on Rails, React, React Native, Redux, React Query, Jest, Node.js, jQuery
Databases: MySQL, PostgreSQL
Services: OpenAI APIs: ChatGPT, DALL-E, Codex. AWS: EC2, Lambda, S3, Glacier, Route53, CloudFront, CodePipeline, CodeCommit, CodeDeploy, IAM. GCP: Firebase, Firestore, Cloud Storage

WORK EXPERIENCE

Qr8 Health   **March 2017 – Present**
Principal Software Engineer   *Cleveland, OH*
- Developed DynoReader, an app that guides patients through grip strength exercises and outputs data used to program their deep brain stimulation (DBS) implants.
- Designed and developed Cognition Chronicle, an iOS app and website for early detection of cognitive impairment. Supported the process of integrating this platform with an electronic medical record (EMR).
- Developed firmware for Stylus, a new medical device used to measure patient motor function.

Cleveland Clinic Foundation, Neurological Institute   **April 2013 – March 2021**
Senior Software Architect   *Cleveland, OH*
- Developed the Multiple Sclerosis Performance Test, an iOS application for improving care for M.S. patients.
  - This app has been deployed to major hospitals on every continent and in 8 different languages.
- Developed the Cleveland Clinic Concussion App (C3) for managing concussions in athletes.
  - This app was featured on Apple.com as part of their campaign to highlight iPad use in healthcare.
  - This app has been used for concussion management on over 300,000 athletes across the U.S.
- Developed the Ventilator Mode Map app, helping first responders find ventilators during COVID-19.

Aeso Software   **January 2016 – Present**
Founder   *Cleveland, OH*
- Developed TeamDynamic, an employee experience (EX) platform that provides team-building activities.
- Developed BuildMonkey, a Ruby on Rails application that helps teams manage build artifacts for mobile apps.
- Developed Field Facts: Baseball, a website and iOS application where users can create and share information on local baseball fields.

NeuroLogix Technologies   **March 2016 – October 2019**
Software Engineer – Consultant   *Cleveland, OH*
- Developed the Cleveland Clinic Concussion (C3) iOS app after it was spun off from Cleveland Clinic.
  - This app has collected over 700,000 baseline and follow-up assessments across the U.S.
- Developed the Return to Play feature of the C3 app, which guides athletes through concussion care.

EDUCATION

Bowling Green State University   **2012**
B.S. Computer Science   *Bowling Green, OH*

PORTFOLIO

https://mikebuss.com/portfolio