**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**

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| **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.

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| **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.

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| **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.

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| **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>