

Mike Buss

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WORK EXPERIENCE

Qr8 Health

March 2021 – Present

Principal Software Engineer

Remote

- Led the development of Cognition Chronicle, an iOS application and frontend built with Swift and React, enabling the second-ranked hospital in the U.S. to collect over 1 million cognitive assessments
- Designed and developed DynoReader, a C# application that enables researchers to evaluate deep brain stimulation (DBS) settings for stroke patients, resulting in measurable improvements in motor function
- Developed the firmware for Stylus, a medical device that measures patient motor function, increasing battery life by 40% compared to the previous version

Cleveland Clinic Foundation, Neurological Institute

April 2013 – March 2021

Senior Software Architect

Remote

- Developed the Multiple Sclerosis Performance Test, an iOS application that has administered standardized patient care to over 15,000 multiple sclerosis patients
- Developed the Cleveland Clinic Concussion iPad app, an iOS application that has helped over 300,000 athletes perform over 500,000 cognitive assessments
- Created the Ventilator Mode Map app during COVID-19 to assist first responders in locating available ventilators, dramatically enhancing emergency response capabilities and resource allocation

Aeso Software

January 2016 – Present

Founder

Remote

- Designed and developed TeamDynamic, a Next.js employee experience platform that enhances team cohesion through online activities, improving organizational culture and employee engagement
- Developed BuildMonkey, a Ruby on Rails application that streamlines the management of build artifacts for mobile app development teams, optimizing workflow and reducing developer time during app testing
- Designed and implemented Field Facts: Baseball, a combined React web and iOS application that allows users to compile and share detailed data about local baseball fields

NeuroLogix Technologies

March 2016 – October 2019

Software Engineer – Consultant

Remote

- Developed the Cleveland Clinic Concussion (C3) iPhone app, which 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 has guided over 300,000 athletes through concussion care

SKILLS

- **Programming Languages:** TypeScript, JavaScript, HTML, CSS, Swift, C#, C, C++, Ruby, Python, Objective-C
- **Frameworks & Libraries:** Next.js, React, Ruby on Rails, 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

EDUCATION

Bowling Green State University

B.S. Computer Science

2012

Bowling Green, OH