**Mike Buss**

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**WORK EXPERIENCE**

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| **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

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| **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

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| **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

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| **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 2012**

*B.S. Computer Science Bowling Green, OH*