

BRIAN MORROW

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EXPERIENCE

AcuityMD



Senior Full Stack Engineer / Tech Lead

November 2022 – Present

- Leading a team developing a commercial platform for the med tech industry using **React**, **Typescript**, **PostgreSQL**, **Apollo Client**, **GraphQL**, and **Hasura**.
- Implemented distributed tracing across multiple **Hasura**-backed **NodeJS** microservices deployed on **Google Cloud Platform** with alerts powered by **Sentry** and **PagerDuty**.
- Collaborate closely with cross-functional technical and product teams to plan, evaluate, and develop new features.

Epic – Verona, WI

Senior Software Systems Developer

November 2021 – November 2022

- Solved complex authorization and authentication issues in **C#**, **Java**, **Swift**, and **React** frameworks, enhancing the performance of MyChart, the leading patient portal app serving 150 million users globally.
- Spearheaded the development of an extensive analytics solution for MyChart, including **TypeScript** & **C#** SDKs, a high-performance **C#** webservice, a flexible **SSIS**-based ETL process, and a **React** & d3.js based dashboard.

Senior Software Systems Developer / Team Lead

July 2018 – November 2021

- Led R&D for Finland's municipality-wide health & social medical record system, handling project resource estimation, regulation and RFP review, internal and customers escalations, and issue resolution.
- Lead Developer for the Clinical Case Management team, managing multi-release product roadmapping, establishing and leading customer focus groups, and agile workload management.
- Designed and developed a fully responsive patient-facing web app that empowers patients to have a say in their discharge planning with **TypeScript**, **React**, and **C#**, designed collaboratively with patients using User-Centered Design techniques.



Software Developer / Software Developer II / Team Lead

July 2014 – July 2018

- Implemented an iframe-based integration with a third-party vendor, creating a **JavaScript**-based postMessage API for bidirectional communication and **C#**-based **RESTful** webservices.
- Upgraded legacy workflows from a **VB6** framework to a **C#/ASP.NET/TypeScript** infrastructure, handling cross-application design and integration planning.
- Led and managed a team of developers, served as subject matter expert, reviewed code for functional, workflow, and usability issues, and reviewed and developed solutions for customer-specific change orders.

ibiblio.org – Chapel Hill, NC

Linux Systems Administrator

October 2012 – May 2014



- Devised **Puppet** recipes and **Python** scripts for managing a cluster of **CentOS**-based Linux servers, supporting an online archive with 14 million daily requests.
- Supported end-user issues with web hosting (via **Apache/MySQL/PHP**) for 200+ sites, including Project Gutenberg, 1500 user accounts, and hosted email and radio streaming services.

EDUCATION



University of North Carolina at Chapel Hill (May 2014)

BS, Computer and Information Sciences

James M. Johnston Scholar

TECHNOLOGIES

TypeScript, React, Apollo Client, Hasura, C#, .NET, HTML, CSS/SASS, SQL (MySQL, PostgreSQL), Python, Go, Node, Cache (M), Java, Swift, Objective-C, GraphQL, REST, FHIR/HL7, SAML/Oauth/Webauthn, C, Cloud Hosting (AWS, Azure, GCP), Docker