

BRIAN MORROW

bhm@brianmorrow.net | <http://bhm.sh> | <http://github.com/killerbat00>

EXPERIENCE

Epic – Verona, WI

Senior Software Systems Developer

November 2021 – Present

- Identify and resolve authorization & authentication issues in the **C#**, **Java**, **Swift**, and **React** frameworks for MyChart, the #1 patient portal app in the world with 150 million users.
- Lead architect, designer and primary developer of a robust, comprehensive analytics solution for MyChart. Created **JavaScript** & **C#** APIs, a high-performance **C#** based webservice for receiving and staging analytic data, a flexible **SSIS**-based ETL process for extraction to Epic's data warehouse, and a **React** & **d3.js** based dashboard for analysis.

Senior Software Systems Developer / Team Lead

July 2018 – November 2021



- International R&D Lead for Finland's municipality-wide implementation of the first integrated health & social medical record in Europe. Coordinated multi-release development plans including project resource and timeline estimates, reviewed specifications for government regulations and RFPs, and managed internal and customer escalations to resolution.
- Lead Developer for the Clinical Case Management team. Responsible for multi-release product roadmapping, establishing and leading customer focus groups, development timeline management, issue review and fix prioritization, and using agile techniques to manage workloads and throughput of multiple developers.
- Designed and developed a fully responsive patient-facing web app that empowers patients to have a say in their discharge planning. Written using **TypeScript**, **React**, and **C#** and designed collaboratively with patients using User-Centered Design techniques.

Software Developer / Software Developer II / Team Lead

July 2014 – July 2018

- Developed an iframe-based integration with a third-party vendor solution for use in international workflows. Created a **JavaScript**-based postMessage API for bidirectional communication along with **C#**-based **RESTful** webservices for deeper integration.
- Transitioned legacy workflows from a **VB6** based framework to a **C#/ASP.NET/TypeScript** based infrastructure. Completed cross-application design, development, and integration planning with other Epic teams and third-party vendors.
- Led and managed a team of developers, served as point person and subject matter expert for various functional areas, 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



- Developed **puppet** recipes and **python** scripts to manage a cluster of **CentOS**-based **linux** servers virtualized on **VMWare vSphere** that served one of the world's first online archives averaging 14 million requests per day.
- 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

C#, .NET, ASP.NET, React, Vue, TypeScript, JavaScript, Yarn, JSX, HTML, CSS/SASS, MySQL, NoSQL, Cache (M), Java, Swift, Objective-C, REST/SOAP, FHIR/HL7, SAML/Oauth/Webauthn, Python, Django, Go, Node, C, Cloud Hosting (AWS, Azure, GCP), Docker