BRIAN MORROW

bhm@bhm.sh | http://bhm.sh | http://github.com/killerbat00

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**. Actively mentor junior and new team members, fostering a culture of learning and growth.
- Improved reliability monitoring with **Sentry** alerts, **PagerDuty**, and **DataDog** synthetic tests. Ensured creation of detailed playbooks for each team-owned service.
- Collaborate closely with cross-functional teams to evaluate and plan new feature development. Lead the technical scoping and sequencing of projects based on product specifications.
- Developed and maintained strategic leadership reporting views and KPI dashboards both internal and for customers to provide critical insights and data-driven decision-making tools.

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 **REST**ful 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, Next.js, HTMX, 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, Tilt