



Brian J. Hall

Software Engineering Manager

Fulltime | Contract | Consulting | me@brianjhall.com | +1.863.738.0908

MY SPECIALITIES

TEAM & PROJECT MANAGEMENT
CODE REFACTORING & STABILIZATION
UNIT, INTEGRATION & E2E TESTING

FRONTEND FRAMEWORKS

REACT.JS / REACT NATIVE
NEXT.JS
ASTRO.JS
IONIC / CAPACITOR / XAMARIN / CORDOVA
HTML5 / CSS3 / SASS

BACKEND & INFRA

NODE.JS / VITE / BUN
.NET / .NET CORE
WORDPRESS / LARAVEL
MYSQL / MSSQL / POSTGRES
AWS / LAMBDA / GCP / AZURE
KUBERNETES / KAFKA / MQTT

LANGUAGES

TYPESCRIPT
JAVASCRIPT
JAVA
C#
C++
PYTHON
PHP

EDUCATION

1998-2002
Bachelor's Degree
Computer Animation
Ringling College of Art

EXPERIENCE

2017-Present | Senior Director of Engineer | DeCurtis Corporation

Developed an advanced Experiential Platform as a Service (PaaS) featuring over 60 unique modules tailored for hospitality, safety, tracking, logistics, reporting, and monitoring of cruiselines. Implemented offline data synchronization between cloud-based infrastructure (shore) and remote/mobile (shipboard) environments over satellite.

Enabled onboard realtime device location and proximity tracking in dynamic environments using Bluetooth Low Energy (BLE) and iBeacon trilateration algorithms.

Directly managed four teams specializing in Engineering, QA/UAT, CI/CD, and DevOps to develop and maintain numerous applications. Oversaw continuous deployment to multiple client infrastructures, including cloud-based solutions (AWS, GCP, Azure) and onboard systems.

2010-2020 | President | Dual Brain, Inc.

Developed bespoke white-label web and mobile applications for both B2B and B2C clients. I managed a diverse team of in-house and remote engineers, ensuring the delivery of high-quality products through a mobile-first approach, test-driven development (TDD), Agile development, and SCRUM workflows. Our projects utilized a broad range of technologies, including JavaScript (React.JS with Redux and Vue), .NET Core for scalable solutions, PHP (Laravel/Eloquent ORM and WordPress), Python (with Django) for robust web applications, and MySQL and Postgres.

Also created RESTful JSON APIs to ensure seamless integration and communication between different systems and applications. This comprehensive approach allowed us to create tailored solutions that met the unique needs of our clients while maintaining flexibility and adaptability in our development processes.

2005-2010 | Director of Development | tm+r

Managed an in-house development team to create custom interactive digital experiences and social media applications using HTML, CSS, ASP.NET, PHP, SOAP, XML, MS-SQL, and MySQL. Concentrated on brand development through custom web applications, websites, social media integrations and captive portals.

A key focus was on generating and nurturing leads through comprehensive sales funnels, which involved designing and implementing strategies to attract potential customers, capture their information, and guide them through the buying process. Integrated advanced analytics and metrics analysis to continuously monitor and optimize the performance of these sales funnels. By leveraging data insights, we were able to refine our approaches, improve conversion rates, and ultimately drive higher sales and business growth.

1996-2005 | Co-Founder | Polk.Net

Co-founded one of Florida's first commercial website development, hosting and internet-service providers. Websites built with static HTML with PERL backend. Networking with either T1 or ISDN telephony. Hosting on in-house Unix server clusters. Real antiques, but Sun Solaris was stable.