

Doug Hill

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Strategic and innovative Full-Stack Web Developer with 25+ years of developing **technical** and **development initiatives** within the automobile, music production, and pro audio sales industries. Bringing a wealth of **problem-solving expertise, project management skills, and effective communication** to the web development field. Demonstrates great **product insight**, seamlessly integrating technical solutions to create **user-centric, high-performance** web applications. Passionate about **building, fixing, and creating**, with a commitment to **continuous learning** and **professional development**. Adept at translating complex requirements into **scalable, efficient** web solutions, driving **innovation** and **excellence** in every project undertaken.

Technical Skills

React | React-Native | Angular Amazon AWS | Google OAuth | Firebase/Firestore | Node.js | SQL | MySQL
PostgreSQL | Express.js | Django | Redux | Vue.js | Jest | Git / Github | Mongoose | Mongo DB/Atlas | Morgan | SASS |
Bootstrap Tailwind CSS | Ora | Trello | Kanban

Areas of Expertise

Agile Development | Full Stack Web Development | Project Management | Operations Development
Process Development | Project Design | Business Development | Diagnostic Problem-Solving | Workflow Optimization
Customer Consultation | Team Leadership | Technical Training and Coaching | Inventory Management | Advanced
Diagnostics | Technical Documentation | Client Communication | Scheduling and Planning | Quality Control
Cross-functional Team Collaboration

Professional Experience

Fullstack Web Development Immersion Program | August 2023 - Present

CareerFoundry

- **Created and launched** high-impact web applications using HTML, CSS, JavaScript, React, Node.js, and a variety of other tech tools
- **Implemented responsive, mobile-friendly designs**, improving user experience on all devices and increasing mobile traffic and user satisfaction
- **Managed code repositories** with Git, ensuring seamless collaboration and integration among team members, leading to fewer deployment issues and faster release cycles
- **Ensured code quality** by writing and maintaining unit tests, reducing bug incidents and improving overall application stability and reliability
- **Debugged and optimized** application performance, enhancing load times and reducing server response times, thereby improving user retention and satisfaction
- **Leveraged industry insights** to implement cutting-edge features and collaborated with UX designers and backend developers to deliver robust, scalable solutions that met client needs and exceeded expectations
- **Proactively measured and analyzed** application performance metrics, using insights to continuously improve functionality and user experience, contributing to higher client satisfaction and project success rates

Sales Operations Manager | March 2011 - August 2023

Foreign Car Specialists

- **Streamlined and optimized** sales workflows, boosting team productivity and reducing operational bottlenecks
- **Provided technical direction and support** to mechanics, improving service quality and reducing service errors
- **Led project management** from ideation to execution, successfully delivering projects on time and within budget, contributing to a higher project success rate
- **Conducted diagnostics and repair quality control initiatives**, ensuring high-quality service and minimizing downtime, leading to increased client satisfaction
- **Developed and managed scheduling systems** to track workflow and meet deadlines, improving on-time project delivery
- **Developed and managed** parts inventory systems, ensuring availability of specialized and commonly used parts, which dramatically increased job completion rates and enabled effective tracking of part usage for optimal inventory adjustments

Accessibility and Quality Assurance Producer, Captioning | February 2005 - January 2011

Capitel Inc

- **Ensured high-quality standards** by consistently monitoring and evaluating performance, resulting in reduced errors and increased client satisfaction
- **Trained and coached** new employees on quality assurance best practices, improving team proficiency and efficiency
- **Maintained high standards** in real-time captioning, ensuring accuracy and accessibility for all clients, leading to increased client retention
- **Utilized advanced software tools** for accurate and accessible captioning, enhancing the overall user experience and compliance with accessibility standards

Web Development Projects

Lead Developer | myFlix React App

Career Foundry

Developed a highly responsive and user-friendly client-side application designed to search, filter, and manage favorite movies. Built using modern web technologies, the application ensures seamless navigation and secure user interactions. The MovieFinder application offers an engaging and efficient platform for movie enthusiasts to search, filter, and manage their favorite movies. With its responsive design, secure authentication, and user-friendly interface, the application provides a seamless and personalized user experience. The deployment of the app online ensures it is accessible to a global audience, promoting wider usage and engagement.

Web Developer | Meet App

Career Foundry

Developed a serverless Progressive Web App (PWA) using React and Test-Driven Development (TDD) principles, integrating Google Calendar API for event data. Implemented OAuth2 for secure user authentication and designed a responsive UI for all devices. Enabled offline access with service workers and created data visualization charts to enhance user engagement. Deployed the app using AWS Lambda and GitHub Pages, achieving over 90% test coverage with Jest and passing the Lighthouse PWA performance checklist. Utilized CI/CD practices for efficient workflow and added event filtering and detail customization features.

Web Developer | React Native Mobile Chat App

Career Foundry

Developed a cross-platform chat app using React Native and Expo, implementing secure authentication with Firebase and real-time data storage with Google Firestore. Utilized the Gifted Chat library for a user-friendly interface and enabled offline data storage with AsyncStorage. Stored images in Firebase Cloud Storage and designed customizable chat screen backgrounds. Ensured accessibility with screen reader compatibility and followed Test-Driven Development (TDD) for high code quality and reliability. Deployed the app for both Android and iOS, optimizing performance, and included comprehensive documentation and code comments.

Web Developer | Angular App (myFlix)

Career Foundry

Developed a responsive movie app using Angular, implementing user authentication for registration and login. Created views for movies, directors, and genres, and utilized Angular Material for consistent UI design. Managed state and navigation with Angular routing and maintained documentation with JSDoc and Typedoc. Employed Agile techniques for an efficient workflow and followed best practices for code quality and maintainability. Continuously updated the portfolio with project achievements.

Education

Full Stack Web Developer Immersion Program

CareerFoundry

Bachelor of Science in Liberal Arts and Music

Edgewood College