

# TERRENCE L. SMITH

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## SENIOR SOFTWARE ENGINEER: FRONT-END DEVELOPER

**Utilize functional programming and domain-driven design skills to deliver high-quality, easily maintainable code**

Results-focused web developer with more than 10 years of experience using emerging technologies to solve business problems. Offer deep experience building game-changing, consumer-scale site and mobile apps, REST and gRPC APIs, and visually appealing and user-friendly user interfaces (UI). Participate in requirements analysis and contribute to system designs and architectures with attention to security, scalability, reliability, and performance. Take the initiative to learn new functional programming languages and adapt easily to different tech stacks; expertise includes MVC, C#, ReactJS, and F#. Known for a strong work ethic, attention to detail, communication and interpersonal skills, and the ability to thrive in a remote team environment.

### KEY SKILLS

- Writing and Testing Scalable and Predictable Code
- Web Development Languages / Design Principles
- Automation / Resolving Performance Bottlenecks
- Client Displays / Graphical User Interfaces
- Software Development Life Cycle (SDLC)
- Cloud Infrastructure and CI/CD Pipelines
- Code Reviews / Design Reviews
- Agile Methodology and Development Practices
- Engaging User Experiences
- Mentoring / Coaching / Training

Software: JetBrains Rider, Visual Studio Code, SendGrid, Hasura, Visual Studio IDE, Node.js, NPM, GitHub, Oracle SQL Developer IDE, Oracle Service Cloud – RightNow, LucidCharts, Photoshop, Lightroom, Sketch, Microsoft Azure, Google Analytics

Languages: F# (SAFE Stack) using Elmish MVU, C# MVC .NET, .NET Core, TypeScript, JavaScript, jQuery, ES6, GraphQL, ReactJS / React Native, SQL

Front-End Frameworks: Bootstrap, Tailwind / Bulma, HTML / HTML5 / CSS / SASS

### PROFESSIONAL EXPERIENCE

**Senior Web Application Developer (F# MVU)**, Hawaiian Telecom, Honolulu, HI (Remote)

**Aug 2022 – Dec 2023**

Collaborated with a team leader to use F# MVU and Domain-Driven Design (DDD) to develop internal and customer applications in an Agile environment. Produced precise, concise, easy-to read code and harnessed the power of F# to engineer robust, scalable, defect-free solutions. Utilized SAFE Stack framework to ensure internal applications' security and reliability. Integrated Tailwind or Bulma CSS with F# to produce visually appealing, responsive user interfaces.

- Developed an F#-based digital / video message board to share information with residents of multifamily properties on Oahu, which included a back-end headless CMS and user database login capabilities. Prepared Figma diagrams and storyboards based on proof-of-concept and handled end-to-end development of the mobile-responsive application.
- Created an app that enabled internal supply depots to track ingoing and outgoing equipment and devices, shortening the equipment return process by 30-40%.
- Following Hawaiian Telecom's purchase by Cincinnati Bell, created the Connect.fun app to connect Cincinnati Bell customers with local deals and coupons. Included a slider and map view.

**Web Application Developer (ReactJS)**, Brookbush Institute, New York, NY (Contract, Remote)

**Nov 2021 – Jul 2022**

Connected with the Brookbush CEO to gather UI requirements for an online learning platform (web and mobile) offering a health fitness certification and continuing education classes. Used ReactJS for client-side UI interaction, GraphQL for data query manipulations, cloud-based headless DatoCMS for content sourcing, SendGrid for email, and Hasura for database SQL / Postgres and Heroku / GitHub deployments. Developed iOS and Droid applications, utilizing React Native and Typescript.

**Web Developer and IT Consultant**, TerrySmith Consulting, Maui, HI

**Dec 2020 – Nov 2021**

Spearheaded the entire project life cycle for UI/UX and website development and support projects.

- Completed a subcontracted project for Modis Consulting. Used Figma to develop storyboards, user personas and journeys, wireframes, and site maps for the Tracy Anderson website.

- Configured Cisco routers and diagnosed equipment issues for Maui windmill farms, providing technical support to optimize network performance and minimize downtime.
- Developed a website for a local homeowners' association, using HTML / CSS and JavaScript.

**Web Developer (MVC C# .NET)**, Decision Research Corporation, Honolulu, HI (Remote)

**Nov 2019 – Dec 2020**

Performed full-stack development for a web-based insurance industry application that performs peril quote and policy calculations. Created custom E/R database tables, SQL scripts, and stored procedures. Implemented APIs for customer and policy data management, a custom UI for calculations, and error logging tools with Azure Cosmos DB.

- Enhanced data integrity by implementing data validation functionality that enabled data cleansing upon import. Eliminated thousands of hours of data entry.

**Front-End Web Developer**, Fanatics Inc., Boulder, CO and Wailuku, HI (On-site in CO, Remote in HI)

**Feb 2013 – Mar 2019**

Collaborated with an Agile web development team to develop and enhance a responsive web-based, mobile-responsive e-commerce platform for all major professional sports leagues, major media brands, and 200+ college and professional teams. Utilized object-oriented programming and client-side web technologies to build product features and automations.

- Played a key role in creating a custom Node.js / JavaScript app that automated the conversion of more than 50 e-commerce sites per day. Achieved +200% ROI and increased sales.
- Boosted sales 5% by implementing a new product feature presentation with responsive design.
- Added product assurance policies and ensured ADA compliance, driving a 20% increase in customer satisfaction based on A/B testing and customer reviews.
- Shortened return process time 30% by integrating return functionality into an internal MVC C# .NET app.
- Drove 10% growth in sale conversion by configuring help content for multiple sports leagues.

*Earlier experience:* **Front-End Web Developer**, Fanatics Inc., Boulder, CO (on-site) and Wailuku, HI (remote)

## EDUCATION, TRAINING, AND CREDENTIALS

Oregon Institute of Technology, Klamath Falls, OR (an ABET-accredited institution)

**Bachelor's Degree (Bachelor of Science) in Electronic Engineering Technology**

The University of California San Diego, La Jolla, CA

**Extension Coursework in C#, ASP.NET, ASP.NET MVC, Java I and II, Project Management, Relational Database Engineering SQL**

Google, **Google Analytics Certification**

University of California San Diego Extension, **Certificate in C# .NET Programming**

University of California San Diego Extension, **Certificate in Web Publishing**

Selected Udemy Online Courses:

The Ultimate React Course 2024: React, Next.js, Redux & More, in process

GIS Certification Course: Geographic Information Systems, in process

Data Programming with F#, 2024

Building F# Applications, 2023

Master Bulma CSS framework and code 4 projects with 14 pages, 2023

Tailwind CSS From Scratch | Learn By Building Projects, 2023

End-to-End Real-World Application Development with F#, 2022

F# From the Ground Up, 2022

Next JS with React Hooks – Building SSR React Applications, 2022

Build IOT Apps using Raspberry Pi, ASP.NET Core and SignalR, 2021