

Justin Duplain

SENIOR SOFTWARE ENGINEER

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SUMMARY

Senior Frontend Engineer with 10+ years in web and 3+ years shipping TypeScript/React UIs for enterprise cloud & edge. Expertise in micro-frontends, design systems, and performance & accessibility. Led migrations, standardized capability gating, and shipped features across 12+ micro-frontends with measurable efficiency gains. U.S. Marine Corps veteran.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, React, Redux, HTML, CSS/Sass/LESS, Oracle JET, Node.js, Jest, PostgreSQL/MySQL, Responsive Web Design, Component Architecture, State Management

Build & Tooling: npm, yarn, Webpack, Jenkins, Git, CI/CD, Agile/Scrum, Jira Accessibility & UX: Axe, Lighthouse, WCAG/a11y audits, Wireframing, Prototyping

APIs & Backend: REST API integration, service integration across microservices

Cloud & Infra: Cloud computing (IaaS/Hybrid), UNIX, Terraform (basic), Kubernetes (basic)

Other: Artificial Intelligence-Assisted Development, Technical Documentation, Stakeholder Communication, Working familiarity with Java and Python (API integration, code reviews)

PROFESSIONAL EXPERIENCE

Oracle

Senior Software Engineer - Oracle Cloud Infrastructure (Remote), 9/2024 - Present

Oracle is a Fortune 100 global enterprise software and cloud leader. OCI is Oracle's hyper-scale public cloud platform offering distributed compute, storage, networking, database, and AI services.

- Led migration of a 15+-screen management console to a config-based framework by building a TypeScript code-generation layer that outputs schema-validated JSON and shared-constant definitions, eliminating duplicate configs and reducing integration effort ~20%.
- Centralized feature-availability checks for 20+ endpoints by creating a schema-validated TypeScript module keyed by product/mode/connection, replacing ad-hoc logic and standardizing behavior across environments to reduce gating errors and speed up integrations.
- Created and implemented shared UI components across 12+ micro-frontends using React/TypeScript and Oracle JET, standardizing patterns across cloud/edge UIs and improving maintainability; leveraged the library to ship Disaster Recovery, Replication, and Limits UIs.
- Integrated REST endpoints across services by adding resilient loading/error states, performing WCAG 2.1 audits, and partnering with services/QE across time zones using E2E tests, Jest, and code reviews, improving reliability and accessibility while reducing regressions.
- Automated local development setup with a custom script (AI-assisted), reducing copy/paste repetitive steps and saving ~7 engineers an estimated 20–50 minutes daily across the team.

Member of Technical Staff - Oracle Cloud Infrastructure (Remote), 08/2022 - 09/2024

- Joined a greenfield team to deliver automated emergency-management software by contributing to system and architecture decisions, establishing TypeScript React standards and shared libraries, and coordinated service API/contract design.
- Defined UI standards, created onboarding guides, setup documentation, and reviewed processes for increased consistency and shortened time-to-productivity for distributed teams.
- Partnered with design and QA to lead manual testing and accessibility audits and implement WCAG-compliant improvements, enhancing product usability and ensuring compliance.

PROFESSIONAL EXPERIENCE (continued)

State College of Florida

Web & Digital Consultant - Coding Academy (Remote contract), 10/2021 - 02/2022

Provided full lifecycle digital development services to launch a new technology training organization.

- Designed and launched the academy's first website and CRM, enabling streamlined registration for coding bootcamps, STEM camps, and training programs.
- Built marketing landing pages, custom forms, and digital assets that improved conversion rates and supported campaign outreach.
- Advised stakeholders on UX best practices, content strategy, and accessibility compliance.

Web & Digital Manager, Bradenton FL, 12/2019 - 09/2021

Led operation of SCF's web properties, serving 40,000+ students and 1,000+ employees. Directed major web initiatives including the launch of a \$3.6M entrepreneurship and coding center.

- Managed SCF.edu, intranet, and related domains, ensuring content accuracy and accessibility while maintaining brand consistency, improving usability, and meeting key campaign goals.
- Coordinated with 100+ stakeholders to deliver updates, maintain brand consistency, improve usability, and meet key campaign goals.
- Implemented SaaS tools, payment systems, and digital platforms to improve operational efficiency.

Various Clients

Web Development & Design Consultant, 07/2014 - 12/2019

Developed custom websites, CRMs, and automation solutions for small and mid-sized businesses. Managed projects from research to delivery, ensuring usability, performance, and maintainability.

- Built/transitioned full-scale websites and CRMs, integrating hosting, databases, and CMS.
- Created documentation and provided training to enable client-led content management.
- Implemented automation and integrations to reduce manual workloads.

EDUCATION

Fullstack Academy - Software Engineering Immersive, 01/2022 - 05/2022

Certificate: 553 hours Full-Stack Web Development, Agile TDD with Jest/Jasmine.

University of South Florida

M.A., Digital Design & Communication

B.A., Graphic & Web Design

MILITARY

U.S. Marine Corps

Data Analyst

- Managed deployment data for 400,000+ personnel and equipment; developed SharePoint sites, webpages, and process documentation; led small teams; prior TS/SCI clearance.