# Justin Duplain

Senior JavaScript/TypeScript Engineer
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## SUMMARY

- 10 years in web; 3+ years building enterprise React/TypeScript UIs for Oracle OCI (AWS-adjacent) across Public, Private, and Edge Cloud including US Gov/FedRAMP contexts.
- Centralized feature gating across 20+ endpoints with schema-validated TypeScript; reduced mis-config incidents and sped root-cause analysis for 6+ converged products.
- Led migration of a 15+ screen management console to a TypeScript config/code-gen framework; cut integration effort by ~20%.
- Accessibility and reliability focus: reduced WCAG/508 findings, added defensive states and caching in data-heavy UIs.

## TECHNICAL SKILLS

**Languages/Frameworks:** TypeScript, JavaScript (ES6+), React Query, Redux, HTML5, CSS/Sass, Node.js, Express, Python & Java basics
**Testing/Quality:** Jest, React Testing Library, Playwright/Cypress, TS/ESLint/Prettier configs
**Accessibility:** WCAG 2.1/2.2, ARIA, keyboard/focus, Axe, Lighthouse, screenreaders
**Build/DevOps:** GitHub/GitLab, Jenkins, npm/yarn, CI/CD, Terraform, Docker/Kubernetes basics
**Cloud:** Oracle Cloud Infrastructure (OCI) ecosystems/instance mgmt; REST API integration

## PROFESSIONAL EXPERIENCE

### Oracle

**Senior Software Engineer (IC3)** - Oracle Cloud Infrastructure (Remote), 9/2024 - 9/2025

Member of an Edge and Private Cloud agile UI team shipping React/TypeScript web applications and reuseable components using a Java service layer across 8+ products and 12+ micro-frontends.

- Led an iterative migration to a config-based framework using a shared TypeScript generation layer; reduced integration effort, owned planning, trade-offs, cross-team coordination, and delivery.
- Enabled a key new product launch by introducing a TypeScript schema-validated config for product and state-dependent UI features; this eased integration of current and future features to the UI.
- Owned features for the full development life cycle from requirements/design to unit testing and maintenance; Partnered with Design, Product, Service, and QA to ensure consistency/reliability.
- Mentored 5+ engineers on React framework and test patterns using Jest, documented new and existing processes, reviewed and approved PRs to raise code quality and maintainability.

**Member of Technical Staff (IC2)** - Oracle Cloud Infrastructure (Remote), 08/2022 - 09/2024

- Used AI to generate unit tests and dev env startup scripts; saved ~20–50 minutes daily for ~7 engineers.
- Delivered high-availability, high-reliability UI patterns using guarded testing and CI/CD gates, feature-flags, and cloud DevOps configs to keep delivery workflows predictable and reliable.
- Used Git for collaborative development (feature branches, PR reviews), communicating decisions clearly and mentoring peers on custom React libraries and state management.
- Triaged/resolved customer incidents using cloud infra management, observability tools, and runbooks.

State College of Florida

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

Provided full lifecycle digital development services to launch a new technology training organization: Launched the academy's WordPress + HubSpot site, building structured and accessible landing pages.

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

- Scope: Led operation of SCF.edu and related sites serving 40,000+ students and 1,000+ employees; Directed web initiatives including the launch of a $3.6M entrepreneurship and tech training center.
- Impact: Implemented SEO and campaign pages using HTML, CSS, JavaScript, and PHP while improving usability and accessibility, and exceeding enrollment and campaign goals during COVID.

Various Clients

**Independent Web Development**, 07/2016 - 12/2019

Developed custom websites for small business clients; Focused on performance, SEO, and usability.

EDUCATION

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

Certificate: 553 hours Full-Stack Web Development, Agile TDD

**University of South Florida**

M.A., Digital Design & Communication
B.A., Graphic & Web Design

MILITARY
US Marine Corps

**Data Analyst**

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

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