

Othneil Drew

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Summary

Accomplished and results-driven Senior Software Engineer with 10+ years of experience in delivering high-quality, scalable software. Adept at translating business requirements into innovative solutions, architecting cost-effective and performant systems, and troubleshooting challenging issues. Proficient in React.js, Next.js, Typescript, Redux, UX and more.

Experience

Secberus | Remote

Senior Software Engineer, Frontend (Team Lead) | 11/2021 - Present

- Deploy app using AWS cloud across dev, stage, and production environments, ensuring 99% uptime during releases
- Streamlined team PR review processes, increasing release frequency by 100%
- Refactored 11,000+ lines of legacy code through advanced codemods/automation, saving 35 hrs of code migration time
- Write custom React.js hooks, HOCs and functional components, enhancing overall code maintainability and scalability
- Improve team Jira/Kanban workflow by optimizing agile/scrum methodology, allowing better interteam communication
- Analyze, monitor and measure app performance using Sentry, Datadog logs and Slack to quickly resolve app issues

Snaju Inc. | Houston, TX (Hybrid)

Senior Full Stack Developer (Web Lead) | 06/2019 - 11/2021

- Architected and deliver cross-platform apps (Next.js, React.js, React Native, Electron, PWAs, Laravel) through CI/CD pipelines, integrating with third-party APIs and microcontrollers (RPI, Arduino, ESP32/8266)
- Managed web projects' lifecycle from discovery, budget, design, technical requirements, delivery and support
- Implemented ML/AI algorithms per client goals of automating recommendations based on user preferences
- Aggregated large datasets using Node.js/Python, creating REST APIs and real-time data events through web sockets

Texas Southern University | Houston, TX

IT Support Specialist & WordPress Developer | 02/2015 - 12/2019

- Implemented marketing on the aviation department's website, which led to an 18% increase in student prospects
- Engineered scenario-based computer training based on strict FAA regulations, increasing pilots' information retention
- Constructed technical guides to ensure faculty's proper usage and security of \$160K in ATC/flight simulation equipment

Education

Texas Southern University | Houston, TX

BS in Aviation Science Management (4 years completed)

Scholarships: UPS Flight Dispatcher (2018), OBAP STEM (2015), TSU COSET (2015, 2016)

Technical Skills

Frontend: Next.js, React.js, React Native, Redux, RTK Query/Codegen, Typescript, JavaScript (ES13+), Electron, Tauri, PIXI.js, CesiumJS, JQuery, SASS/SCSS, Tailwind CSS, Material UI, Chakra UI, Bootstrap, HTML, CSS

Backend: Express.js, Node.js, Laravel, PHP, SQL, MySQL, Sequelize, MongoDB, Redis, WordPress

UI/UX: Figma, Affinity Designer

Dev Tools: Git, npm, Yarn, Webpack, Babel, jscodeshift (codemods), ESLint

Testing/QA: Jest, Storybook, React Testing Library, Cypress, 508 compliance

Networking/Comm. Protocols: WebRTC, UDP, TCP/IP, I2C

Open Source Contributions

- [othneildrew/Best-README-Template](#) - "readme" templates to jumpstart projects [maintainer, 14k+ stars, 23k+ forks]
- [snaju-oss/inception-framework](#) - An extremely lightweight PHP-based web framework [maintainer, 600+ installs]
- [ngst-cto/simPanel](#) - Pixi/Cesium.js flight panel configurator/FOQA viewer for airline pilot training using X-Plane [maintainer, acquired for private use]