

# ANDREW SCHROEPFER

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## CORE AREAS OF STRENGTH

- **Programming Languages:** JavaScript, **TypeScript**, HTML, CSS, **Python**, C++, C#, SQL
- **Frontend:** **React**, **Next.JS**, Redux & Redux Toolkit, Framer Motion, ThreeJS, Electron
- **Backend:** **Django**, **Node**, Express, Webpack, **MongoDB**, Mongoose, MySql, Sequelize, **PostgreSQL**
- **Cloud:** **AWS**, Amplify, Lambda, CloudFront, **Firebase**, RT/Storage DB, Cloud Functions, SDK
- **Development Strategies:** **Agile**, Scrum, Unit/Performance Testing, **Docker**, Kubernetes
- **Design:** **UX Design**, Information Architecture, **Figma**, XD, **Photoshop**, Illustrator
- **User Research:** User Surveys/Interviews, Personas, **User Testing**

## PROFESSIONAL EXPERIENCE

### **React.js Developer Apprentice** | *Alphaworks / Bitwise Industries* | February 2022 to current

As a React developer apprentice, my role involved working with various technologies beyond ReactJS. My work encompassed **Node**, **Express**, **Next.js**, **MongoDB**, **PostgreSQL**, and **Django**. During the apprenticeship, I worked on **frontend and backend** projects with various clients and teams. This training helped me to develop a deep understanding of numerous technologies, making me a **full-stack developer**.

- Developed a medical application to reduce procedure preparation time by 70%. **Collaborated with a team** using **Django**, PostgreSQL and Django REST API with **React.js** and **Bootstrap** to create a **scalable database** with **reusable components**
- Built unique websites for small businesses and **created easy-to-use administrative interfaces**. Used **server-side rendering** to improve search engine optimization by 100%. Integrated **REST API** endpoints to facilitate effortless data retrieval
  - Spearheaded **client communication**, assessed needs and worked closely together to create a website that fit the business goals and **increased customer discovery**, on average, by 80%

### **Web Development Instructor** | *Bitwise Workforce Training* | September 2021 to current

As a web instructor, I **taught** beginner-level courses on **website creation** and intermediate courses on **mobile-friendly development**, focused on responsive layouts. Worked closely with students to help them understand the material, answer questions, and provide feedback.

- Led Websites for Beginners courses of 15-20 students, focused on basic **HTML** and **CSS**, Interface Development, learning **Git** workflows and working with **typefaces**
- Instructed Mobile Friendly Web development courses, with an average of 15-20 students, focusing on **mobile-first design**, responsive web layout, **Bootstrap**, and a strong emphasis on **Grid and Flexbox**

- Substituted for Javascript and React.js courses for classes ranging from 10-30 students covering topics on **basic Javascript to advanced React.js**

## PROFESSIONAL ACHIEVEMENTS

- Designed and developed a website for a local business, Mixellence, chosen as the **winning project** out of **5 competitors**. Leveraged cutting-edge technologies, such as React.js, Next.js, Node, and Firebase
- Recognized during all-team meetings for **substantial impact on the team's success**, earning the distinction of "CSS Master"
- Managed and executed the implementation of an advertising campaign with a budget of \$80,000. Collaborated in designing display ads and logos for business and community events
  - Experienced an **80% increase in call volume** over ten months

## EDUCATION

June 2023     **Certified Web Developer**, State of California Apprenticeship program via Alphaworks

August 2022   **Next.js & React - The Complete Guide Certificate of Completion**, Udemy

August 2022   **Understanding Typescript Certificate of Completion**, Udemy

June 2018     **Bachelor of Arts in Philosophy**, California State University, Fresno, Fresno, CA  
Minor Degree: **Computer Science**

## REFERENCES

Derek Payton     **Team Lead**, Bitwise Industries, 2721 Ventura Ave, Fresno, CA 93721, United States  
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