

ABRIELLE PERRY

FULL STACK WEB DEVELOPER

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SKILLS

Development & Programming: React, React Native, Next, Node, Express, HTML, CSS, JavaScript, TypeScript, Python, SQL, NoSQL, RESTful APIs, Tailwind CSS, Bootstrap

Databases & DevOps: PostgreSQL, MySQL, MongoDB, Firebase, Docker, Netlify, Vercel, GitHub, Expo, jQuery

Development Practices: Agile, Scrum, SEO, Responsive Design, Performance Optimization, Scalability, Unit Testing, Accessibility, UI/UX Design, Figma, Debugging, Problem Solving, Technical Troubleshooting, Team Collaboration, Stakeholder Communication

EDUCATION

Atlas School, Tulsa, OK

April 2025

- Recognized on the Honor Roll for excellence in Front-End, Back-End, and Full Stack Development Trimesters.
- Completed a 74.5-credit intensive program in Computer Science and Full Stack Web Development, emphasizing practical, project-based learning.
- Acquired hands-on experience designing and deploying scalable web applications using modern front-end frameworks, secure back-end architecture, RESTful APIs, and relational and non-relational databases.
- Developed a strong foundation in procedural and object-oriented programming, algorithmic problem-solving, memory management, and modular code architecture.
- Engineered full-stack applications using technologies such as React, Node, and SQL/NoSQL databases, with a focus on maintainability, accessibility, and performance.
- Applied UI/UX principles to build responsive, user-friendly interfaces using HTML, CSS, JavaScript, and frameworks like Tailwind CSS and Bootstrap.
- Trained in software development best practices including testing methodologies, DevOps workflows, agile collaboration, and CI/CD pipelines.
- Gained proficiency in Linux-based systems, shell scripting, server configuration and network administration.
- Completed a production-ready capstone project integrating full-stack technologies, user authentication, real-time data handling, and deployment pipelines, demonstrating end-to-end development capabilities.

EXPERIENCE

CaptionCall Sorenson - Installer Trainer II

May 2019 - April 2023

- Installed and configured over 5,000 FCC-regulated captioning telephones at residential and commercial locations, ensuring full device functionality and compatibility across VoIP systems, analog landlines, mobile apps, hotspots, and Bluetooth-enabled devices.
- Diagnosed and resolved connectivity issues involving modem-router setups, network interference, phone line stability, and Bluetooth pairing, reducing follow-up support requests and improving customer experience.
- Provided customized in-person and remote training to a diverse clientele of hard-of-hearing users, translating complex technical concepts into accessible instruction and fostering increased user confidence and engagement.
- Maintained strict compliance with FCC regulatory requirements, conducting eligibility verification, safeguarding PII, and preparing accurate documentation through Excel, Outlook, Onyx, and Microsoft Dynamics CRM.
- Managed a territory averaging 250 miles of daily travel, coordinating and optimizing appointment schedules to minimize idle time and maximize service coverage through proactive communication.
- Conducted outreach via phone, email, and cold calls to schedule, confirm, or adjust appointments, ensuring high booking efficiency and client satisfaction.
- Maintained accurate tracking of equipment inventory, processed returns of defective units, and distributed marketing materials, contributing to operational readiness and service continuity.
- Adapted to day-to-day changes and shifting client needs by leveraging strong organizational skills, calendar management, and real-time decision-making to meet dynamic service demands.

- Assisted in beta testing new hardware products and firmware updates, documenting and reporting software bugs and technical inconsistencies to the development team for resolution.
- Promoted to Trainer II in recognition of consistent performance, superior client service, and the successful mentorship of new team members, enhancing team performance and ensuring procedural consistency.
- Utilized advanced technical troubleshooting, CRM platform management, and interpersonal communication skills to exceed productivity targets and support the company's mission of accessible communication technology.

PROJECTS

Rippl - Front End Developer

April 2025

- Sole Front-End Developer for Rippl, a mobile application designed to facilitate real-world social connection through shared interests, developed using React Native with Expo, TypeScript, and Tailwind CSS.
- Collaborated with back-end and machine learning teams to define user workflows and data flows, aligning interface logic with system architecture and user experience requirements.
- Designed and implemented all primary user interface components and screens, including the personalized home feed, user profiles, event creation forms, and messaging interface, ensuring intuitive navigation and responsive design across mobile devices, reducing load times by 40% through performance optimizations and lazy loading.
- Integrated GetStream's chat for real-time communication, and collaborated with back-end developers to connect the user interface with Supabase for authentication, profile data, and event content management.
- Worked closely with machine learning engineers to integrate a recommendation system built with Python and Databricks, enabling dynamic rendering of personalized content based on user-selected interests.
- Applied modular component architecture and used React Hooks for effective state and side-effect management, enhancing performance, readability, and scalability of the front-end codebase.
- Led user interface and user experience design decisions based on mockups created in Figma and ongoing user feedback, ensuring a balance between visual appeal and functional accessibility.
- Diagnosed and resolved complex issues related to cross-platform rendering and asynchronous data handling, particularly around integrating outputs from the machine learning pipeline into the front-end application layer.
- Participated in sprint planning, version control with Git, and feature prioritization to align development milestones with project goals, ensuring successful delivery of a high-quality minimum viable product within four-weeks.

ETL Pipeline & API Development - Back End Developer

December 2024

- Designed and implemented a comprehensive ETL workflow to integrate and normalize disparate datasets containing metadata on 400+ episodes of The Joy of Painting, including color usage, subject matter, and air dates.
- Authored modular data transformation pipelines in JavaScript to resolve inconsistencies in formatting, casing, and schema structure across multiple raw data sources.
- Engineered a document-based schema in MongoDB, and developed automated loaders to populate collections with cleaned and validated records, ensuring data consistency and flexible querying.
- Built a robust RESTful API using Node.js and Express to expose episode-level data and support advanced client-side filtering based on dynamic query parameters.
- Developed filter logic modules supporting multi-criteria querying with both AND and OR logic operators.
- Integrated OpenAPI for interactive API documentation, enabling rapid testing and front-end handoff.
- Demonstrated proficiency in full-stack JavaScript development, data normalization, API architecture, and scalable ETL strategies aligned with modern software engineering standards.

Reality Check Dashboard - Full Stack Developer

April 2024

- Designed and deployed an interactive data visualization dashboard using Python, Dash, and Plotly to analyze over a year's worth of historical and live fire incident data from the Tulsa Fire Department, enabling real-time exploration of trends across time, location, incident type, and operational outcomes.
- Engineered a preprocessing pipeline using Pandas to clean, normalize, and filter incident records, ensuring consistent time formats and removing invalid or incomplete entries to ensure clean, high-integrity data.
- Built a responsive, filterable UI with Dash Bootstrap Components and modular callbacks, supporting real-time updates across multiple visualizations based on user interaction.
- Created custom Plotly charts for time series, heatmaps, and categorical breakdowns, allowing users to explore both real-time and static datasets within a unified dashboard.
- Demonstrated proficiency in full-stack data dashboarding, combining data engineering, interactive UI development, and user-focused analytics with Python.