RYAN TEODORO

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WORK EXPERIENCE

Teodoro Systems – Houston, TX   June 2023 - Present
Founder, CEO, Head of Engineering
- General software consulting work for small businesses, non-profits, and startups consisting of custom web app development (React, Next.js, Node.js, PostgreSQL, etc), general WordPress sites, automation bots, and more

EchoDial – Houston, TX   July 2023 - December 2023
Founder, CEO, Head of Engineering
- Led engineering team and architected, programmed, and deployed dialer MVP (think Google Voice + CRM) built using React, TypeScript, Mantine UI, Node.js, Postgres deployed to separate staging and production environments
- Configured and managed external systems (e.g., AWS for S3 [storage] and SES [emails], Twilio [SMS/voice calls], Stripe [payment processing], Sentry [error logging], Amplitude [product/user analytics], BetterStack [uptime monitoring])
- Setup Stripe for payment processing to successfully charge customer credits cards via recurring monthly subscriptions with 3 different tiers, as well as a free trial to promote user adoption
- Prototyped system to provide on-demand AI-generated call transcriptions using Twilio Intelligence APIs for retrieving the sentences from recorded conversation
- Stood up WordPress website alongside React app for marketing & SEO purposes -- achieved #2 spot on Google Search results for target search keyword
- Conducted market research to identify competitors in the market, understand their offerings, and compare pricing across products in the industry
- Created financial models to understand potential revenue, expenses, profit, and exit figures based on pricing, user adoption, and employee headcount over time
- Managed company, product, and Go-to-Market strategies (e.g., marketing channels, pricing strategies, potential businesses/personas, etc) in order to effectively position company and prioritize tasks accordingly
- Setup Knex.js for interfacing with the PostgreSQL database using query building, migrations, seeds, and database-driven TypeScript schema generation to ensure the database was the application's source of truth for data structures (which cascaded to the frontend for end-to-end type safety)
- Mentored junior-level developers via weekly sync ups, code reviews, and peer programming sessions

Shell – Houston, TX   January 2019 - June 2023
Frontend Developer
- Frontend tech lead for strategic deal analyzer application developed using React, Redux, TypeScript, D3.js, and Styled Components (CSS-in-JS). Project delivered $38M – $57M in business value and was nominated for the VP CIO award in Shell Chemicals
- Tech lead for the Shell Energy Insights Green Dealer initiative geared towards making it easier for customers to manage day-to-day energy needs while increasing efficiency, managing costs, and addressing decarbonization goals. Frontend built using React, TypeScript, Redux Toolkit, Styled Components. Deployed to AWS@Shell via GitHub Actions
- Tech Lead for the Customer Order Visibility Experience project built using React, GraphQL, Apollo, and Styled Components which aimed at providing Shell customers real-time information regarding their bulk chemical deliveries
- Nominated to serve as a Shell Design System Champion to provide steer on future features and releases and contribute to inner source component code through bug fixes and code enhancements

- Managed application security by leveraging static code analysis tools (e.g., SonarQube) and dependency scanners (e.g., Mend [formerly Whitesource]) to comply with strict organization standards
- Formulated system to programmatically consume OpenAPI Spec (Swagger) documents from backend API systems and auto generate TypeScript schemas to establish strong, dependable links between the client and server-side applications which were historically done manually
- Setup Node.js GraphQL Apollo server to interface with SAP endpoints -- later converted to a more traditional Golang REST API
- Contributed updates and fixes to application CI/CD pipeline configurations using CircleCI, Docker, Kubernetes, and GitHub Actions
- Wrote unit, integration, and E2E tests using Jest, Enzyme, React Testing Library, and Cypress following BDD/TDD methodologies
- Coordinated with design, product, and engineering resources to ensure Scrum sprints were on track and tasks/stories were prioritized well with the end-user experience at the center of all decisions
- Assisted recruiting efforts within the Houston offices through phone screens, technical code assessments, and onsite interviews

BlueLine Rental – The Woodlands, TX   January 2018 - December 2018
Senior Web/Mobile Developer
- Developed an iPad application for shop mechanics using React and Cordova in order to facilitate paperless service work for rental equipment by communicating with backend RentalMan systems
- Extensive feature implementations and bug fixes to the customer web application (React/Redux), careers site (WordPress), and company website (WordPress)
- Created miscellaneous Node.js scripts to facilitate business operations, improve overall safety within the delivery truck fleet, and ensure data consistency on the website by communicating with multiple systems across the organization (Salesforce, Geotab, Rentalman)
- Prototyped mobile application using React Native and Expo to seek more performant alternatives to the current Cordova mobile solutions
- Configured and managed Ubuntu and CentOS environments to run production Node.js and PHP applications using Apache and Nginx
- Worked closely with agencies to oversee development work and to facilitate the migration of data and tasks to inhouse servers, repositories, and teams

University of Houston – Houston, TX   January 2017 - December 2017
Mobile Application Developer
- Core contributor for the university's official mobile app built using Ionic, Cordova, and Angular in conjunction with the UH APIs (Node.js and PHP)
- Built a live chat widget for the UH Information Technology website using the Vue.js and WebSockets to enable visitors of the site to communicate with support agents in real time
- Architected a RESTful API using Node.js, Express, and MongoDB for managing real-time parking lot capacity information on the school campus
- Extensive training and technical advising to entry, junior, and senior-level colleagues on all aforementioned systems and topics

Bouncing Pixel – Houston, TX   August 2015 - November 2016
Software Developer
- Developed models, views, and controllers for the Diabetes Family Teamwork program, a web application built for the Baylor College of Medicine using the Laravel PHP framework and Postgres to educate families on how to manage diabetes through informational videos and quizzes
- Programmed core game logic for Word Hero, an iPad game created using Unity and C# to help suicidal patients make more life-oriented decisions through cognitive bias modification

- Designed database schemas and implemented backend functionality for the Love Meter, a cross-platform mobile application built using Meteor, MongoDB, and Mongoose to facilitate the communication of love languages between loved ones
- Created responsive web layouts using Dust.js and fully custom CSS to avoid third-party framework dependencies for the Question Big website running on Node.js
- Met with clients and organizations to gather requirements, brainstorm effective strategies, deliver final products, and support production systems

Hewlett-Packard – Houston, TX   June 2013 - August 2015
IT Engineer/Analyst
- Front and backend development for the Channel Services Network web application (ASP.NET)
- Assisted in critical move-to-production (MTP) operations and testing
- Obtained Salesforce Developer certification and led training sessions for colleagues
- Migrated in-house operations to the Salesforce platform for server warranty entitlement processing

Schlumberger – Houston, TX   Fall 2012
Mobile Application Developer (Semester Internship)
- Built and deployed a cross-platform mobile app using Xamarin (C#)
- Utilized HTTP protocol to fetch live data regarding Schlumberger's newest drilling technology
- Debugged and developed features to improve the user interface and user experience

ACTIVITIES AND CERTIFICATIONS
- Youth Leadership Council - VP of Technology, Executive Board Member (2014 - 2017)
- Lean Six Sigma White Belt Certified (2015)
- Salesforce Certified Force.com Developer (2014)

EDUCATION
University of Houston - Victoria – Victoria, TX   May 2013
Bachelor of Science, Computer Science
- Overall GPA: 3.52/4.00