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Will Preble

Full-Stack Developer
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DEV SKILLS

Languages	Front-End	Server	Database	Styling	Deployment	Workflow	Testing
JavaScript	React	Node	MySQL	Tailwind	Google Cloud	Git	Mocha
TypeScript	Vue	Express	Sequelize	Material-UI	AWS	ESLint	Chai
HTML/CSS	jQuery	OAuth2	GraphQL	PostCSS	Heroku	Webpack	Sinon

SOFTWARE APPLICATIONS

Up Close | Spatialized video chat environment facilitating coherent gatherings for large groups

- Leveraged Socket.io and WebRTC to form dynamic P2P networks between users sharing a room
- Designed an interactive environment in React for users to move fluidly, live-streaming their position to other users
- Configured an efficient dev environment for a team of five, integrating TypeScript and ESLint with React and Express

Organize Power | Social media platform encouraging active democracy

- Deployed as an App Engine on Google Cloud Platform connected to a Cloud SQL instance modeled with Sequelize
- Leveraged Tailwind and PostCSS for beautiful styling on a modern React front-end bundled with Webpack
- Integrated social and local authentication strategies using Passport JS on an Express server

Crawl | Map-based, bar crawl planning app for herding cats

- Rendered a responsive, interactive map using Google Maps API for finding bars and coordinating locations of friends
 - Utilized Vue's two-way data binding to manage user interactions including group voting across front-end components
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PROFESSIONAL EXPERIENCE

Automation Engineer | Escape Extinction at Audubon Aquarium, New Orleans, LA | 2018–2019

- Programmed Productivity3000 PLCs for an interactive, immersive escape room experience
- Programmed Arduino microcontrollers in C++ to automate effects based on user input and sensor feedback
- Designed and deployed CMore HMI (Human-Machine Interface) software for staff to manage experience remotely

Designer, Builder, Owner | Abita Springs Hotel, Abita Springs, LA | 2016–2019

- Managed every facet of design, renovations, business start-up, and operations for a historic boutique hotel
- Established and met a \$350,000 turnkey budget and received a post-construction appraisal of \$750,000

Mechanical Engineer | M-E Engineers, New York, NY | 2013–2016

- Designed mechanical, plumbing, and fire protection systems for commercial construction with 3D modeling software
 - Coordinated with high profile clients including the Durst Organization, U.S. Open, and New York Yankees
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EDUCATION

Advanced Software Engineering Immersion

Operation Spark (Hack Reactor Partner) | 2019–2020

- IBC Fundamentals of JavaScript, Functional Programming, and Web Development Level 3

B.S. Mechanical Engineering

Louisiana State University | 2008–2013

- Mathematics Minor
- Dean's List, TOPS Honors Award