

Trevor Ranney

Senior Software Engineer

Over a decade of software development has made me an expert at designing, building, and shipping real-world software from scratch and has given me great respect for writing clean, clear and maintainable code. I have extensive experience architecting full stack systems using test-driven development, continuous integration and DevOps pipelines. I create intuitive, visually appealing user interfaces and I actively invest in learning and adapting to the latest industry trends and cutting-edge technologies, which helps me maintain a high level of expertise.

My expertise/experience includes:

• Node • React • JavaScript • TypeScript • Express • AWS • GCP • Jest • Jasmine • Cypress • Cucumber • Vue • Python • Web RTC • Postgres • Redis • Prisma • MongoDB • MQTT • Jenkins • GitLab CI • Git • Docker • Vite • HTML • CSS • SASS • Next.js

Real World Applications:

Senior Software Engineer - 9 Months - Icon Technology Studio - Digital marketing and experience provider creating end-to-end digital products and experiences, blending cutting edge technologies with human-centered design.

- Developed new full stack visually pleasing websites and user experiences for company events and public launches
- Maintained and improved full stack web applications, enhanced architecture to reduce coupling
- Created tests to permanently squash bugs, advancing test-driven development
- Improved on DevOps and advised how to create continuous integration pipelines
- Programmed smooth animations for important clients facing websites

Senior Software Engineer - 6 ½ years - World Wide Technology (formerly Asynchrony) – Asynchrony was a software consulting firm specializing in systems integration, enterprise architecture, custom application development and secure collaboration for Fortune 500 companies. I worked on numerous projects, from remote doctor video calling software with integrated hardware to robust point-of-sale systems using distributed architectures and many other technologies.

- Data-center organization software – Allows data-centers to be moved and reconfigured without downtime
- Pizza order processing infrastructure – Upgraded 1000's of stores to a fast distributed system for ordering pizza, processing payments and monitoring orders; this system can still operate even if internet connectivity is lost in the store
- Bank fintech on-boarding API – Allows customers to create fintech products backed by the bank
- HSA customer website – A mobile and web application for customers to automatically apply and set up HSA accounts
- PWA training lab – Lab to teach programmers what a progressive web app is and how to turn an existing website into one.
- Automated infrastructure app conversion – Added authentication to 100's of applications that had followed a template to facilitate one company splitting into two companies
- Job candidate tracking management software – Collects data on interviewees for higher visibility and easier decision making
- Mobile software to create doctors appointments – Secures client medical data and helps doctors see more patients
- Forecasting software for internal projects – Allows the company to forecast project budgets based on burn rate
- Bank database optimization – Long running and manual processes converted into queries to increase efficiency
- Experiments with blockchains – Demonstrate the value of blockchains to the organization
- Hardware integrated remote video doctor visits – Automatically calls the doctor with one button press
- Created test driven development training course – Teaches developers the benefits of test driven development
- Code review of medical software – Led to a long lasting relationship building software for a medical technology provider
- Robot arm colored block sorting – Project to show off Predix capabilities on servo wear and demonstrate capabilities of a WWT and GE partnership at GE Minds + Machines 2016 showcase; Used OpenCV to determine colored block locations
- Refrigerated truck data collection software – Cloud connected sensors attached to refrigerator trucks throughout the United States helps trucks get repairs before they break down on the road which saves food from spoiling

Software Engineer - 4 years - International Document Services - US provider of compliance and document generation software solutions for the mortgage and real estate industry.

- Built an IDE for custom document code – Saved 1000's of hours of manually formatting and editing code.
- Lead a team in building a document source control website – Allowed clients to roll back changes to documents.
- Lead a team to build a database backup and query portal – Kept client information secure and available.
- Added PDF functionality for mortgage documents – Clients could now download PDF of documents.

- Lead team to create a new CI/CD pipeline – Automated product releases, versioning and testing.
- Added mortgage document compliance rules – Ensured client documents followed rules and regulations. (TILA-RESPA)
- Made all websites cross-browser compatible – Websites only worked in IE 6 before this.

EDUCATION - -“Our academic approach is simple: learn to master technology in a project based environment on collaborative teams.” – Bachelor's in Computer Science (March 2013)

CERTIFICATION - Royal Holloway University Of London – Malicious Software Defense Certification