

# Vardan Vanyan

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## TECHNICAL SKILLS

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**Programming Languages:** TypeScript, JavaScript, Python

**Frontend Technologies:** React, Next.js, Redux, HTML, CSS, Sass, Tailwind CSS, Material-UI, RESTful APIs, Webhooks

**Backend Technologies:** Node.js, Express, SQL, NoSQL, AWS, Docker, Stripe

**Tools & Frameworks:** Jest, Vitest, Webpack, Electron, CI/CD, Postman, Docker, Git, GitHub

## EXPERIENCE

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### MicrObserv | Software Engineer

2022 – Present

- Participated in the designing, testing, and implementing of technical solutions as part of a collaborative Agile team
- Collaborated with cross-functional teams to understand technical requirements and develop integration strategies
- Designed dynamic UI elements, including user dashboards and modular interfaces, using HTML/CSS and wrote performant Javascript code
- Achieved a 60% reduction in development time and performance improvement by creating reusable UI charts (Component Design System) with Chart.js
- Implemented TypeScript to improve code readability and collaboration among developers
- Optimized data flow and real-time rendering with dynamic routing using React Router, significantly reducing initial application load times
- Proactively experimented with new technologies, keeping on top of tech trends and sharing knowledge within the engineering community
- Architected a high-performing Express server in Node.js with robust middleware, facilitating concurrent HTTP handling and real-time telemetry updates via the EventSource API
- Managed data using SQL, ensuring efficient querying and robust transaction handling (exceeding 100 transactions) for data stability and integrity
- Conducted thorough testing, debugging, and troubleshooting of code to ensure reliability, data accuracy and system stability

### Chris N Eddy's | Software Engineer

2020 – 2022

- Enhanced website aesthetics and user interface, resulting in a 50% increase in customer engagement, by implementing React
- Streamlined user experience through integration of React Router and Redux, enabling seamless transitions between views
- Developed a scalable and flexible Node backend with Express for efficient HTTP request handling
- Implemented Stripe and SQL databases for secure product information and image storage, preventing data loss
- Integrated Stripe API with Express and Node.js, reducing vendor labor by over 100 hours per month

### Splore | Software Engineer

2019 – 2020

- Improved database performance with optimized SQL queries, resulting in a 30% faster response time
- Developed a modular middleware framework in Node.js, boosting the efficiency of database queries and system performance
- Defined user requirements by coordinating and communicating with key stakeholders

## PROJECTS

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### Whatsnext | Journal, Calendar, Mood Tracker

- Engineered React components in Next.js to streamline MVP production of a dynamic website with frequent updates, achieving a rapid refresh rate and automatic compilation
- Standardized the backend database with PostgreSQL to store relational data, including large binary objects like images, and mapped relations between users and individual post features with scalability in mind

### Stuff Library | Rent The Things You Don't Use

- A web app where users can list and rent out items that they aren't using to others
- Utilized React, Redux, Node, Express, REST APIs, MongoDB to build connections with logistics system and e-commerce platforms

## EDUCATION

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Bachelor of Science | California State University, Los Angeles (CSULA)

2020