

## Arek Chatmajian

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**Portfolio:** arekchatmajian.dev

### Summary

Detail-oriented Web Developer with 7+ years of experience in designing and developing user-centric websites and applications using modern web technologies, including React, Vue, Next.js, and Node.js. Expertise in creating responsive and accessible front-end interfaces, optimizing back-end performance, and integrating third-party APIs. Strong collaborator with a track record of enhancing project outcomes in global teams. Passionate about continuous learning and staying current with industry advancements to drive innovation.

### Technical Skills

**Languages & Preprocessors:** JavaScript, TypeScript, Python, SQL, HTML5, CSS3, SASS

**Front-End Frameworks & Libraries:** React, Vue, Next.js, jQuery, Bootstrap, Materialize, Bulma, Tailwind

**Back-End Technologies & Databases:** Node.js, Express.js, Django, MySQL, MongoDB, GraphQL, PostgreSQL

**Development Tools:** Git, GitHub, NPM, Yarn, ESLint, Prettier, Webpack, Babel, Postman, Pandas, Conda

**UX & UI Design Tools:** Figma, Sketch, Adobe XD, Photoshop, Illustrator, OmniGraffle

### Relevant Experience

#### Web Developer & UX Designer – Mars Concepts

April 2017 - Present – Brooklyn, NY

- Engineered and deployed full-stack web applications using **JavaScript, TypeScript, React, Vue, Node.js, jQuery, Express.js, Next.js, Python, Django, MySQL, MongoDB, GraphQL, PostgreSQL, HTML5, CSS3**, and **SASS**, enhancing client digital presence across multiple platforms.
- Developed and integrated **RESTful APIs** to enable seamless communication between front-end and back-end systems, as well as **testing RESTful API endpoints** with **Postman**.
- Created reusable **UI components** and optimized front-end performance using technologies such as **React hooks, Custom hooks, Context API, Styled Components, Redux, React Router, Vue Composition API, Vuex, and Vue Router**, enhancing user experience and application functionality. Leveraged front-end frameworks such as **Bootstrap, Bulma, Tailwind**, and **Materialize** to streamline the development process and ensure consistency.
- Optimized website performance, reducing load times by as much as 30% through efficient coding practices and use of modern technologies such as **lazy loading, code splitting, minification, caching**, and **CDN integration**.
- Spearheaded the design and development of **responsive web applications**, employing a **mobile-first approach** and adhering to W3C web content accessibility guidelines.
- Collaborated with clients to define specifications, conduct **UX research** and analysis, **UX design, UI design**, development, and implementation of tailored digital solutions.
- Utilized **Figma, Sketch, Photoshop, Illustrator**, and **OmniGraffle** to create visually appealing, intuitive, and user-friendly interfaces.
- Conducted **A/B testing** and user feedback sessions to continuously improve **UI/UX design** and functionality, leading to a 20% increase in user engagement.
- Utilized CI/CD pipelines with **Jenkins** and **Heroku CI** to automate testing, deployment, and monitoring of applications, ensuring seamless integration and continuous delivery.

## Front End Application Developer – Concise Interactive Event Apps

May 2021 - February 2024 – New York, NY

- Developed and maintained interactive event applications (in-person, virtual, and hybrid) for enterprise clients across the US, Europe, and Asia, utilizing **JavaScript, Node.js, Express.js, jQuery, React, Vue, HTML5, CSS3, SASS, and Bootstrap**, ensuring cross-browser compatibility and responsive design.
- Utilized **Figma, Sketch, Adobe XD, Adobe Photoshop, and Adobe Illustrator** to create digital assets for integration into client applications and edit mock-ups, ensuring consistency and visual appeal.
- Collaborated with globally distributed teams of developers, project managers, and QA engineers using **Agile methodologies (SCRUM), JIRA, and GitHub projects** for issue tracking, **ZenHub** for issue reporting and analysis, and **Confluence** for documentation to customize and enhance applications based on client requirements.
- Diagnosed and resolved complex issues within a large codebase using debugging tools such as **Chrome DevTools** and **React DevTools**, and tested **RESTful API** endpoints with **Postman**, implementing efficient bug fixes and optimizing performance with tools like **Webpack** and **Babel**.
- Developed real-time data synchronization features using **WebSockets** and Socket.IO, improving the interactivity and responsiveness of event applications.
- Conducted thorough code reviews using **GitHub** pull requests, provided constructive feedback to peers, and enforced coding standards with **ESLint** and **Prettier**, promoting best practices and high code quality.
- Developed custom modules and plugins to extend the functionality of event applications, catering to specific client needs and integrating third-party APIs such as **Firebase** for real-time database management, **Twilio** for communication, **SendGrid** for email services, and **Google Maps** for location services.
- Assisted in the migration of legacy systems to modern frameworks such as **React** and **Vue**, enhancing application performance, maintainability, and scalability using tools like **Docker** and **Kubernetes** for containerization and orchestration.
- Conducted user training sessions and created comprehensive technical documentation using tools like **Sphinx** and **MkDocs** to support clients in using and managing event applications effectively.

## Web Developer & Designer – Fine Art Frameworks

January 2018 - March 2020 – Long Island City, NY

- Designed and developed a custom order management application using **HTML5, CSS3, JavaScript Node.js, jQuery, React, and MySQL**, streamlining business operations and improving order tracking.
- Spearheaded the redesign of the company's responsive website by conducting thorough **UX research** and applying **UX and UI design** principles, significantly enhancing user experience and accessibility.
- Created **high-fidelity mock-ups** and **low-fidelity wireframes** using **Figma** and **Sketch**, ensuring a seamless design process from initial concept to final implementation, incorporating feedback and iterated designs to align with user needs and project goals.
- Designed marketing materials for print and digital media using **Photoshop** and **Illustrator**, ensuring a cohesive visual brand identity throughout.
- Implemented **SEO** best practices using **Google Analytics** to increase website visibility and drive organic traffic, resulting in a 25% increase in site visits. Identified areas for improvement and implemented changes that led to a 15% increase in conversion rates.
- Executed targeted marketing campaigns with **Google Ads** and **Facebook Ads Manager**, and managed social media presence to boost brand awareness.
- Executed mass email campaigns with **Mailchimp**, including designing email templates, segmenting email lists, **A/B testing** subject lines and content, analyzing campaign performance metrics, and optimizing future campaigns to increase open rates and click-through rates.
- Conducted **usability testing** and gathered user feedback to inform design decisions and ensure a user-centric approach.

## Projects

**International Space Station Tracker:** Github - <https://github.com/achatmajian/ISS-Tracker>

- App allows users to follow the ISS in real time using live data for the vessel (latitude, longitude, velocity, altitude, footprint, visibility) and location (locality, subdivision, country, continent).
- Tools used: HTML5, CSS3, JS, Bootstrap, Leaflet.js, Leaflet.Terminator, Netlify.
- Live - <https://tracktheiss.com/>

**Expense Tracker:** Github - <https://github.com/achatmajian/Expense-Tracker>

- App allows users to track income and expenses by adding and deleting transaction items, provides an ongoing total balance, displays transaction history, and saves the transaction data to local storage.
- Tools used: HTML5, CSS3, JS, Web Storage API, Netlify.
- Live - <https://quirky-darwin-fc016c.netlify.app/>

**Exchange Rate Calculator:** Github - <https://github.com/achatmajian/Exchange-Rate-Calculator>

- App allows users to compare the exchange rates of different currencies.
- Tools used: HTML5, CSS, JS, Exchange Rate API, Netlify.
- Live - <https://capable-kulfi-978ec2.netlify.app/>

**COVID19 Map:** Github - <https://github.com/achatmajian/covid-map>

- App is an interactive map that allows users to view and toggle between testing, hospitalization, and death statistics of the COVID-19 pandemic for each state within the United States.
- Tools used: React, Mapbox GL, React-Bootstrap, Netlify
- Live - <https://reverent-lamport-efefa5.netlify.app/>

## Education

**Intro to Machine Learning with Python – Certificate:** UC Berkeley Extension – Berkeley, CA

**Full Stack Web Development – Certificate:** Columbia University – New York, NY

**User Experience Design – Certificate:** General Assembly – New York, NY

**Graphic Design & Digital Media – Bachelor of Science:** Champlain College – Burlington, VT