

Chirag Jain

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Summary

Adept Software and Full-stack Engineer seeking a big opportunity to transform promising ideas into polished, scalable products using creative & innovative working.

Skills

- **Programming Languages:** C++, C, JavaScript/ ES6, Python, PHP, TypeScript, Java
- **Web Technologies:** React, NodeJS, ExpressJS, Bootstrap, Angular, D3, HTML5, CSS3, HTTP, Polymer, Material UI, Vue, ChartJS, Redux
- **Databases:** MongoDB, MySQL, NoSQL, Firebase, JSON, PostgreSQL
- **Methodologies:** Agile Development, Model-View-Controller, Component-based Architecture, RESTful APIs, SCRUM, Object-oriented Design
- **Software/Tools:** Visual Studio IDE, Git/ GitHub, Jupyter Notebook, Content Mgmt. System, Adobe Photoshop, Illustrator, Figma, Sketch

Experience

Founding Engineer (Full Stack) – Thea Health, San Francisco, CA

Jan 2020 – Present

- Lead a team of 5. Functioned as Architect, Product owner, UI/UX Designer and Full-stack developer for the complete SDLC in each Agile Sprint.
- Topped code-release frequency up by 30% by transforming development processes to Agile, reusable component-based workflows. Launched a new user-story board and coding and commit guidelines for each sprint to streamline development. Sprint documentation and TDDs kicked off.
- Accomplished building 20+ front-end components and equal no. of server-side feature functions for Thea's eConsult SaaS platform.
- Engaged in regular Feature-brainstorm sessions to determine novel and effective features to be added to the product backlog.
- Doubled the user-base loving the new product look and design consistency by working on user-flow to decrease time-to-success and increase interface intuitiveness. Undertook complete logo and Brand Book redesign, capturing minimalism, aesthetics and adhering to Thea's ethos.
- Fashioned a Referral system to build up user-base by tapping into current users. Developed an invitation functionality and updated the PostgreSQL database structure managed by BookshelfJS to handle the new requirements, simultaneously improving UX and maximizing user-base growth.
- Built complex and accessible UI that feel simple and seamless with tools like React, JavaScript/TypeScript, Node, ChartJS, JS ORMs and frameworks.

Software Integration Developer – Jade Global, San Jose, CA

Sept 2019 – Jan 2020

- Analyzed users' requirements to design, develop and test software integration. Formulated the integration design to deliver efficient integration solution.
- Incorporated databases with renewal, payment and scheduling APIs using tools like Dell Boomi, CRM and analytics software and JavaScript and Java technologies for a complete integrated product.
- Ensured that the system continues to function normally through software maintenance and testing.
- Architected a myriad of system models and diagrams to advise offshore teams with integration structures and development for an optimum software.

Associate Web Developer – E4 Carolinas, Inc., Charlotte, NC

June 2018 – Sept 2019

- Transformed the legacy company website into a completely new, user-friendly and target-oriented one while maintaining the legacy codebase.
- Decreased load-times to 30% by applying WordPress and its plugins to include new features and manage increased usability.
- Developed a database for the organization's partners using NoSQL and built a User-interface for data retrieval using Node.js, HTML and CSS.
- Fashioned objective-specific graphics and content for effective delivery of ideas, creating a comprehensive user-experience for the product.

Software Developer Intern (UI/UX) – TLC, India

Jan 2017 – June 2017

- Doubled usability by designing strategic and effective solutions in websites and web apps involving user interface, modern UX and material design.
- Employed extreme programming to deliver s/w components with tight deadlines and increased deployment efficiency by 50% utilizing automated testing tools like Jest and Enzyme.

Education

M.S. in COMPUTER SCIENCE - University of North Carolina at Charlotte

Aug 2017 – May 2019

B.E. in ELECTRONICS AND COMMUNICATION – Rajiv Gandhi Proudhyogiki Vishwavidhyalaya

Aug 2013 – May 2017

Projects

FOOD TINDER (MEAL SWAPPING WEBSITE) – [node.js](#), [express.js](#), [mongoDB](#), [NoSQL](#), [HTML5](#), [CSS3](#)

[Link](#)

- Followed MVC design pattern to structure the web application for swapping Meals. Maintained its session and validation using Express.
- Cross-browser compatibility. Secured the application using XSS and Social engineering. Used Node.JS for server side.
- Scaled the application by using NoSQL data structure to persist data with help of MongoDB using Mongoose ODM.

ETL-BASED HR AND PAYROLL SYSTEM INTEGRATION – [Angular.js](#), [MySQL](#), [REST APIs](#), [Spark](#)

[Link](#)

- A daemon thread having access to both departments' databases developed to simultaneously update both the systems for easy maintenance.
- AWS EC2 used for ETL operations, RDS for relational database. Elastic Beanstalk was used for hosting Rest APIs. React JS for the front-end.

LIVE TWITTER HASHTAG FEED GALLERY – [React](#), [Typescript](#), [HTML5](#), [CSS3](#), [Postman](#), [REST APIs](#)

[Link](#)

- A web-based application using REST API, which fetches live twitter posts (photos) through API using the search terms hashtag/event name.
- Search terms were stored for future revisits. Fetched-posts rendered as a gallery, displayed the no. of posts fetched and their usernames.
- A clean looking UI, a modular development approach followed using the component-based architecture, latest design patterns and styling libraries.

MODELLING ONLINE ACTIVITY TO DETERMINE MARKET PENETRATION – [Python](#), [Neural Networks](#), [Machine Learning](#)

- Researched about the effects of various online activities which helped in producing influential marketing.
- Applied RNN-LSTM, Keras Deep Learning and Elastic Nets for the prediction of such user traits producing the influence online.