

Eric H. Jiang

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SUMMARY

Results-oriented and impact-driven Software Engineer with a demonstrated experience in **full-stack development**. Equipped with a diverse skill-set and proficient in executing tasks and debugging in a full software development cycle. Strong team player with open-mindedness and excellent interpersonal communication skills.

- ❑ *Language*: TypeScript, JavaScript, Python, Java, C++, SQL, Haskell, Racket, MATLAB
- ❑ *Frontend*: React Router & Redux Toolkit & Saga, React Testing Library, Jest, React Table, TailwindCSS, BlueprintJS, Emotion, Bootstrap, Material-UI, Apollo GraphQL, REST, WordPress, Reactour
- ❑ *Backend*: Node.js, .NET, Express, Spring Boot, Flask
- ❑ *Database & Others*: MongoDB, DynamoDB, MySQL, GraphQL, Swagger, Postman, Banana Cake Pop, AWS, Docker, Heroku, Netlify, SonarQube, Keycloak, Bamboo, Cypress, Jira, Bitbucket, GitLab

WORK EXPERIENCES

Software Engineer at Pacific Northwest National Laboratory, Seattle, WA

Oct 2021 — Present

- Routinely implemented with TypeScript, Tailwind CSS, Blueprint JS to develop reusable React components based on UI mockups and acceptance criteria defined by the project team
- Developed GraphQL endpoints, schemas, queries, and customized Hooks to fetch data from backend APIs
- Created React Table with sorting and filtering functionalities and displayed data fetched from external source
- Created routes for application pages, and customized URL for individual device, user, and alias
- Created navigation components such as NavBar, HeaderBar, Link, and Breadcrumb with redirecting functionalities
- Used Banana Cake Pop and Postman to simulate API calls and constructed data schema with intellisense
- Developed Unit Testing suits with Jest and React Testing Library to improve code quality and coverage in SonarQube
- Refined Redux Saga shared by multiple existing applications and added slices to implement new features such as Bookmarking, Collection, Commenting, and Export features in a file searching app.
- Refined a sophisticated internal-use UI package to reduce compile and build time and improve maintainability
- Standardized CSS styling across application to comply with client's style guide and discussed design changes with UI/UX team
- Demo and presented new built features in a regular basis to clients and other stakeholders
- Managed user authentication with Keycloak
- Routinely troubleshooted network issues, testing issues, and infrastructure issues to maintain CI/CD pipeline
- Managed tasks and collaborated codebase with Jira, Bitbucket, Gitlab and synced with the team in a daily basis in Agile environment

Web Developer Intern at V. I. Global Partners, Seattle, WA

Fed 2021 — Jul 2021

- Built, tested, and deployed a new WordPress website with customized contents, features, and functionality using Elementor and hardcoded advanced CSS; debugged using DevTools
- Collaborated with UI/UX team to implement design changes and to achieve cross-browser compatible and responsive
- Developed serverless Client Management system with React, Node, and DynamoDB in AWS
- Managed projects in Agile environment performing Scrum and Kanban using notion.so and Google Workspace

SIDE PROJECTS

Developer Social Network (MERN Full-stack development)

- Built and deployed a full stack social network application using React, Redux, React Hooks, Node.js, Express, MongoDB, Postman, Json Web Token, Heroku
 - Created UI components using React and integrated them Redux for state management, routed pages with Router
 - Built RESTful APIs with Node Express interacting with MongoDB via mongoose schema and tested with Postman
 - Encrypted user password with bcryptjs and applied JWT as middleware to authenticate access protected routes
 - Created post build script and deployed to Heroku and enabled automatic deploys with Github
- Technology Used: React stack, Node.js, Express, Axios, Mongoose, JWT, MongoDB, Heroku

eCommerce Platform (MERN Full-stack development)

- Built a real-world custom eCommerce platform application with full featured shopping cart with PayPal & credit/debit checkout process, product rating & review system, product search, top products carousel, product pagination & more
 - Implemented Admin mode to manage customers, user profile with orders, order details page, delivered option
- Technology Used: React stack, Node.js, Express, Axios, Mongoose, JWT, MongoDB, Paypal API, Heroku

EDUCATION

Drexel University, Philadelphia, PA

M.S. in Computer Science (GPA: 3.8)

- ❑ Related Coursework: Front-end development, Data Structure and Algorithms, Machine Learning, Computer Vision, Test Driven Development, Computer Networks, Software Engineering Process, High Performance Computing, etc.

Pennsylvania State University, State College, PA

B.S. in Mechanical Engineering & B.S. in Nuclear Engineering (Dual Degree)