

# RICHARD CHEUNG

## Full Stack Software Engineer



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## Summary

- Independent, skillful, and self-organized frontend engineer with 12 years experience who can deliver seamless User Interface with intuitive and engaging User Experience.
- Lead Developer who provides professional frontend solution with Test-Driven Development.
- Seasoned Optimizer who has hands-on experience with improving the performance, usability, and accessibility of web applications.
- Enthusiastic team player who collaborates with cross functional teams under Agile/Scrum methodology.
- Lead Software Engineer who has several successful Web3 & Decentralized projects under the belt.

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## Skills

- JavaScript, TypeScript, C, C++, C#, Python
- HTML, CSS, Tailwind CSS, SCSS, SASS, MUI, Ant-Design, Chakra UI, Styled-Component
- React.js, Angular.js, Vue.js, React Native, Next.js, Redux, jQuery, Socket.io, Chart.js, 3D.js, Web3.js, Webpack
- Node.js, Express.js, Django, MongoDB, MySQL, PostgreSQL, REST, GraphQL
- React Testing Library, Enzyme, Mocha, Jest for Unit testing, Cypress for E2E testing
- AWS(EC2, S3, Lambda, RDS), Azure DevOps(App Service, Blob Storage), Google Cloud Platform(App engine, Cloud Storage) UI/UX design, problem-solving, Architectural design, troubleshooting, Test-Driven Development
- Version Control(Git), Front-End Development, Software Development, Agile Development

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## Experience



**Salesforce**

05/2022 - Present

### Full Stack Software Engineer

- Collaborated closely with cross-functional teams to conceptualize, design, and develop web applications utilizing a fullstack approach.
- Crafted user-friendly and responsive front-end interfaces using a combination of React, MUI, Typescript, Next.js, and Styled Components, ensuring seamless cross-browser compatibility and optimal performance.
- Utilized React to create dynamic, reusable and interactive user interfaces.
- Implemented backend functionality using Node.js and Express.js, writing RESTful and GraphQL queries to interact with the PostgreSQL database and external services.
- Integrated with PostgreSQL to store and retrieve data for the web application, leveraging the capabilities of Node.js to efficiently handle database operations.
- Implemented RESTful APIs and GraphQL to facilitate communication between frontend and backend components, ensuring efficient data exchange and seamless integration of features.
- Gained extensive experience in Test-Driven Development (TDD), Continuous Integration and Continuous Deployment (CI/CD), Authentication & Authorization with JWT and OAuth, Docker, and AWS, leveraging Node.js ecosystem tools and libraries to enhance development workflows and deployment processes.
- Worked closely with customers to understand requirements and deliver customized solutions, utilizing Node.js capabilities to implement tailored backend functionality and ensure alignment with customer needs.
- Used effective communication and negotiation skills to manage expectations, collaborate with stakeholders, and build trust throughout the development process.

**Lead Software Engineer**

- Acted as feature lead in an Agile environment using Kanban. Ran standups, performed feature planning/analysis, worked with BA and UX to define user stories. Provided estimates on story counts and timeline for features.
- Prototyped and Developed a Form Builder with E-signature capabilities
- Implemented backend functionality using Node.js, leveraging its asynchronous nature and event-driven architecture to build scalable and performant server-side applications.
- Maintained CI/CD pipelines using TeamCity, incorporating Node.js builds and deployments for seamless integration with frontend changes.
- Mentored junior developers technically and guide them to have the positive attitude on the project
- Implemented the state management system by utilizing Redux Thunk and React Context for frontend components, and Node.js-based solutions for backend state management.
- Introduced Custom React Hook functions to improve reusability and readability, complemented by Node.js middleware for backend logic encapsulation.
- Implemented Sass for styling, utilizing features like variables, mixins, and nesting to improve code maintainability and reusability.
- Leveraged Emotion to manage component-specific styles within JavaScript for frontend components, while ensuring compatibility with Node.js-based server-side rendering.
- Enhanced the server-side rendering approach to optimize performance by leveraging Next.js for server-side rendered React applications with Node.js backend support.
- Collaborated with Backend Engineers to define and implement API designing and visioning
- Supported production processes and managing cloud infrastructure in collaboration with the DevOps team on AWS platform, incorporating Node.js applications into the infrastructure stack for seamless deployment and scalability.

**AutoNation AutoNation**

06/2015 - 09/2016

**Senior Software Engineer**

- Developed and shipped a self-service loan approval application with .Net & Angular.js
- Designed and implemented REST API with JavaScript to replace Legacy SOAP services
- Collaborated with UI/UX designers to deliver the pixel perfect & seamless user interface
- Continuously enhanced new features and debugged & troubleshooted bugs arising while running the project by utilizing HTML, CSS, JavaScript and Angular.js under Agile/Scrum team based on 2 weeks sprints
- Developed the responsive design using Flex & Grid CSS for web and mobile to build User-Friendly page(Ant-Design)
- Built reusable and scalable components using Angular.js that can be shared across parts of the application
- Wrote Unit tests using React Testing Library and Enzyme to cover every component at over 90%
- Worked on CI/CD pipelines and followed best practices on Project Tracking(Jira) & Version Control(Bitbucket - Git actions) & Automated Testing(Jenkins)

**International Education Corporation**

06/2014 - 05/2015

**Software Engineer**

- Modernized UI of legacy applications using MVC5 Bootstrap CSS and HTML5
- Modernized Web application security by implementing ASP.NET Identity 2.0
- Created mobile friendly web applications using Mobile First Development
- Created new Web API platform using the latest ASP.NET Web API 2.0
- Mentored team member on new technology and performed code reviews
- Re-branded company's SharePoint Website

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**Education**

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**Nova Southeastern University****Master's Degree, Information Systems, Specialization in Information Security**

2012 - 2014

**Bachelor's Degree, Computer Information Systems**

2008 - 2012

**Graduated 3.8+ GPA**