

# ERIC(CHAOJIE) WANG

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## PROFESSIONAL SUMMARY

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Results-driven full-stack developer with over 7 years of experience in creating dynamic web applications and optimizing user experiences. Proficient in React, Angular, Node.js, .NET(Java) , Python and cloud technologies, I've established CI/CD pipelines and enhanced application security, resulting in a significant boost in user engagement in software rework. Most notably, I engineered responsive interfaces that led to satisfaction in user interaction, underscoring my commitment to delivering high-quality solutions.

## EDUCATION

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### University at Buffalo - SUNY

*Master's, Computer Science*

**January 2017 - June 2018**

*GPA: 3.5*

### University at Buffalo - SUNY

*Bachelor's, Computer Science*

**August 2014 - December 2016**

*GPA: 3.7*

### University at Buffalo - SUNY

*Bachelor's, Electrical Engineering*

**August 2014 - December 2016**

*GPA: 3.7*

## PROFESSIONAL EXPERIENCE

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### REI Systems

**Sterling, VA, USA**

*Senior Full Stack Software Developer*

*April 2023 - Present*

- Collaborated in cross-functional teams to create web-enabled Grants Management and Performance Reporting applications, enhancing user experience and operational efficiency
- Actively participated in Architecture Design meetings, contributing innovative ideas to streamline IT operations
- Drove a significant increase in user engagement and satisfaction by designing and implementing responsive user interfaces and forms using Angular, .Net Core, and ASP MVC, while leveraging MySQL and SQLServer for data handling.
- Established robust CI/CD pipelines using VSTS, GULP, NPM, Nuget, and Octopus Deploy, ensuring efficient deployment processes in Microsoft Azure and AWS environments
- Developed comprehensive workflow and dataflow diagrams, enhancing system understanding
- Authored high-level and low-level technical documents, and standardized code review checklists for improved code quality
- Engineered dynamic and responsive user interfaces utilizing HTML5, CSS3, TypeScript, JavaScript, JQuery, Angular 8, RXJS, and AJAX, leading to a 30% increase in user interaction
- Proactively identified and resolved key security vulnerabilities using BlackDuck, Coverity, SonarQube, and Fortify, enhancing application security and compliance
- Implemented NUnit, Jest, and Selenium for test automation, which reduced software rework by 40% and enhanced code quality
- Optimized application performance and scalability by aligning projects with containerization techniques using Docker and Kubernetes, leading to a 20% improvement in system efficiency.
- Enhanced user experience and operational efficiency by 25% through collaboration in cross-functional teams to design and deploy web-enabled Grants Management and Performance Reporting applications using Angular and .Net Core.

*Full Stack Software Developer*

*March 2019 - April 2023*

- Actively participated in Architecture Design meetings, contributing innovative ideas to streamline IT operations
- Adhered to rigorous coding standards, proactively identified and resolved bugs in early development stages, enhancing software reliability and reducing time-to-market
- Spearheaded the development of user interfaces using HTML5, CSS3, JavaScript, JQuery, and Angular 4, resulting in a more dynamic and responsive user experience
- Developed and deployed scalable RESTful services using WEB API and Entity Framework for efficient CRUD operations, contributing to a 40% increase in application performance
- Played a key role in gathering project requirements and conducting detailed feasibility analyses, ensuring alignment with client needs and project goals
- Ensured extensive unit test coverage with NUnit and JEST, and maintained 508 compliances through WAVE testing, achieving high standards in application accessibility and quality
- Designed and developed intuitive user interfaces for key web applications, leveraging .NET, TypeScript, ASP.NET MVC, Angular, C#, XML, and JSON, significantly improving user engagement and satisfaction.

## Ellucian

Reston, VA, USA

Software Developer

June 2018 - January 2019

- Developed innovative solutions and features for a CRM platform with ASP.NET and SQL Server, significantly enhancing college recruitment processes and user experience
- Deeply involved in the development and maintenance of robust application backends, ensuring high performance and reliability
- Engineered versatile Web APIs facilitating seamless integration across multiple platforms
- Utilized .NET Core and React to architect and develop a student application web app, incorporating RESTful services for enhanced data management and user interaction.
- Developed a RESTful dashboard using AngularJs and Grunt, with robust middleware and backend functionalities implemented via Express on MongoDB
- Implemented a sophisticated web scraper to gather course schedule data, employing Scrapy and PostgreSQL for reliable and consistent data storage
- Successfully deployed projects on AWS EC2, leveraging Nginx for web server optimization, and conducted comprehensive security vulnerability tests to ensure robust system integrity.
- Deployed a dynamic web service for an online course scheduler, utilizing Express, MongoDB, and AngularJS, streamlined with Grunt for efficient task management

Software Developer Intern

June 2016 - September 2017

- Deployed a dynamic web service for an online course scheduler, utilizing Express, MongoDB, and AngularJS, streamlined with Grunt for efficient task management
- Developed a RESTful frontend using AngularJs and Grunt, with robust middleware and backend functionalities implemented via Express on MongoDB
- Implemented a sophisticated web scraper to gather course schedule data, employing Scrapy and PostgreSQL for reliable and consistent data storage
- Successfully deployed projects on AWS EC2, leveraging Nginx for web server optimization, and conducted comprehensive security vulnerability tests to ensure robust system integrity.

## PROJECTS & OUTSIDE EXPERIENCE

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### CADayToday

Remote

Owner, Architect, Senior Fullstack Developer

- www.cadaytoday.com
- Delivered projects on time by managing timelines and client communications effectively, fostering collaboration across teams in alignment with product management goals, resulting in 100% on-time delivery.
- Enhanced application performance by optimizing load times through scalable solutions using Next.js, React, and TypeScript, while empowering Restful and Graph APIs.
- Streamlined data collection processes by developing web crawlers by utilizing Node.js, Cron jobs, and leveraging Redis to aggregate legitimate nationwide deals from 10+ different websites.
- Developed robust Web APIs that facilitated seamless integration across multiple platforms, leveraging Elasticsearch for optimized search capabilities and Cassandra for efficient data storage in web services.
- Delivered a real-time comment social module using WebSocket, Redis and PostgreSQL with customized user modification ability, enhancing user interaction and meeting stakeholder requirements.
- Designed and implemented a backend points information reward system, tailoring functionalities to different user roles, which enhanced user engagement and incentivized interactions on the platform
- Designed and developed project using Next.js, Tailwind CSS, and Strapi, improving user engagement metrics by 30% through responsive design principles and modular editing.
- Reduced data aggregation time by developing asynchronous, multi-threaded web scrapers with Node.js, TypeScript, Docker, and Kubernetes, enabling efficient large-scale data ingestion.
- Improved user engagement by optimizing for SEO through reginal first rank and enhancing load time.
- Designed and developed World Journal Worldwide News Modules, emphasizing user interface, multimedia content, responsive design, and modular editing.

## SKILLS

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**Skills:** React, Redux, React Native, tailwind, Vue.js, ES6, AWS, AngularJS, ASP.NET, C#, Docker, Express.js, Gulp.js, Jest, JavaScript, jQuery, Kubernetes, MongoDB, Nginx, Postgres, TypeScript, Communications, Next.js, Agile, Microsoft Azure, docker, Python, Java, LLM, GraphQL, REST APIs, MySQL, database, Machine Learning, Linux/Unix, Apache Kafka, design patterns, Google Cloud, Git, Data Structures & Algorithms, version control, JIRA, JUnit, non-relational databases, integration test, Jenkins, Spring, Splunk, Oracle, Test-Driven Development (TDD), cloud infrastructure, NoSQL, Microservices, Ubuntu