

# ALEX JIANG

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## OBJECTIVE

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Senior Software Engineer with 12 years of expertise in developing, maintaining and scaling web application across different industries. Proficient in front-end technologies (React, Vue, Angular, TailwindCSS) and back-end frameworks (Node.js, Spring Boot, Django, .Net Core) with focusing on delivering high-quality

## SKILLS

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**Languages:** HTML, CSS, JavaScript, TypeScript, C#, Java, Python, PHP, Go

**Frontend:** React.js, Next.js, Gatsby.js, Vue.js, Nuxt.js, Angular, Tailwind CSS, jQuery, Bootstrap

**Backend:** Node.js, Express.js, Nest.js, Spring Boot, .Net Core, Django, Flask, FastAPI, Laravel

**Database:** PostgreSQL, MongoDB, MySQL, SQL Server, Oracle, Firestore

**Cloud & DevOps:** AWS, GCP, Azure, Firebase, Docker, Kubernetes, Jenkins, Terraform, CI/CD, CircleCI

**Testing & Automation:** Jest, Mocha, TestCafe, XUnit, JUnit, PyTest, Cypress, Selenium, Playwright, SauceLab

**Other:** Git, GraphQL, Restful API, React Query, Redux, Grafana, Datadog, Webpack, WebSocket, Redis, MemCache, Apache Kafka, RabbitMQ, Elastic Search, System design/architecture, gRPC, Google Analytics, Twilio, OpenTalk

## EXPERIENCE

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### Senior Software Engineer

Apporto | Palo Alto, CA

March 2018 - Present

- **Led** the redevelopment of cloud-based virtual desktop provider that addresses the limitations of traditional cloud desktops, including restrictive operating systems and performance issues.
- Designed and implemented customer Service using **AI**, improving customer satisfaction scores.
- Spearheaded the transition to **microservices-based architecture**, improving scalability and reducing operational costs with **Java(Spring Boot)** and **C#(.Net Core)**.
- Developed dashboard with teammates (18 members) using **React, Redux and TailwindCSS**.
- Enhanced code quality and reliability by integrating robust unit, integration, and end-to-end testing suites wit by using **TestCafe, Jest, JUnit, XUnit and Playwright**.
- Streamlined CI/CD pipelines with **Jenkins, Docker, and Kubernetes** to ensure seamless deployment of cloud-based applications.
- Collaborated with **cross-functional teams**, including product managers and data engineers, to deliver feature-rich, user-friendly applications.
- Provided technical **mentorship** and **leadership** to junior developers, conducting code reviews and workshops on best practices in software engineering.

### Senior Software Engineer

Teladoc Health | Purchase, NY

May 2014 – Feb 2018

- Contributed to the development of a scalable, secure **healthcare** platform used by millions of patients throughout the states.

- Engineered robust APIs and **microservices** to support real-time data processing, telehealth appointments, and patient management workflows.
- Implemented Adaptive bitrate Streaming to adjust video quality dynamically based on network conditions with **Twilio** and **OpenTalk**.
- Enhanced platform security by implementing advanced authentication mechanisms and compliance with HIPAA regulations with **AES-256**, **OneTrust**, **JWT** and **Role-based access control (RBAC)**.
- Optimized front-end and back-end systems, improving application performance by implementing **Rate Limiting** on endpoints.
- Ensured compliance with **WCAG 2.1 (Web Content Accessibility Guidelines)** standards to create accessible digital experiences for all users, including those with disabilities.
- Automated testing workflows using **Selenium** and **Postman**, achieving reduction in bugs during production
- Improved database performance by optimizing queries and implementing caching mechanisms using **Redis** and **ElasticSearch**.
- Drove **Agile** development practices, including sprint planning, code reviews and retrospectives, to enhance team productivity.

## EDUCATION

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### **Bachelor Degree of Computer Science**

University of San Diego | San Diego, CA

Sep 2010 - Apr 2014