

# Jeremy Jiang

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## SUMMARY

Experienced Software Engineer with over 8 years in building and optimizing scalable enterprise software. Proficient in full-stack web development, cloud infrastructure, AI/ML integration, SaaS platforms, and leveraging Open Source technologies. Demonstrates expertise in system design, data models, and project management, with a focus on delivering high-performance solutions in agile environments. Adept at implementing Infrastructure as Code (IaC), cloud-native solutions, and version control systems, ensuring secure, scalable, and efficient applications.

## TECHNICAL SKILLS

<b>Languages:</b>	JavaScript, TypeScript, HTML, CSS, Ruby, Python, Java, C#, Swift, Solidity, Rust, PHP
<b>Frameworks:</b>	React.js, Next.js, React Native, Vue, Node.js, Nest.js, Express.js, Svelte, Django, Flask, Redux, Tailwind CSS, Styled-Components, Spring Boot, .NET Core, ColdFusion, Hibernate, FastAPI
<b>Database:</b>	MySQL, PostgreSQL, MongoDB, NoSQL, SQL Server, DynamoDB, Prisma, TypeORM, Redis, BigQuery, ElasticSearch
<b>Tools:</b>	Git, Github, Docker, Npm, Yarn, Pnpm, Webpack, App Center, Plaid SDK, Jumio SDK, Webflow, Figma, Slack, Datadog, Grafana, Prometheus, Apache Kafka, Airflow, LangChain, OAuth, Mobx, SQLAlchemy, CloudFront
<b>Cloud Services:</b>	Amazon Web Service (AWS EC2, AWS Lambda, AWS SNS, SQS, CloudFormation), Google Cloud Platform (GCP), Azure, Netlify, Vercel
<b>Testing:</b>	Jest, Mocha, Cypress, Enzyme, Playwright, Detox, Pytest, Selenium, Integration testing
<b>Others:</b>	REST APIs, GraphQL, Agile, Scrum, SDLC, CI/CD, Material UI, Ant Design, shadcn/ui, Chakra UI, D3.js, Websockets, ESLint, Nexus, web3.js, ethers.js, Prettier, Firebase, Supabase, Swagger, OpenAPI, Kubernetes, Terraform, Monorepo, gRPC, RabbitMQ, WebRTC, HIPAA, GDPR, Jira, Jenkins, CircleCI, Responsive Design, iOS/Android Mobile App Development
<b>Soft Skills:</b>	Teamwork, Problem-Solving, Detail-Oriented, Communication & Documentation, Leadership

## PROFESSIONAL EXPERIENCE

**Cognizant**  
**Senior Software Engineer**  
**Jul 2021 - Oct 2024**

- Designed and built responsive web and mobile applications using React.js, Next.js, and React Native, improving client product performance by 30%.
- Developed backend services with Node.js and Nest.js, utilizing MySQL and MongoDB databases, reducing data processing times by 25% for multiple client projects.
- Deployed serverless functions with AWS Lambda, streamlining backend processes and cutting infrastructure costs by 25%.
- Implemented TDD (Test-Driven Development) practices using Jest, Mocha, and Cypress, increasing test coverage to 90%, resulting in a 40% decrease in bugs found during production.
- Led full-stack development on various client projects, incorporating best practices in CI/CD pipelines with Jenkins and CircleCI, cutting deployment time by 35%.
- Collaborated with designers and product managers to translate complex user requirements into functional, scalable applications, resulting in a 20% boost in user engagement for client platforms.
- Optimized existing codebases by refactoring front-end components and improving back-end logic, enhancing application performance and reducing loading times by 50%.
- Built reusable UI components using Tailwind CSS and Material UI, reducing development time for new features by 25% across multiple projects.
- Integrated third-party APIs and SDKs, including Plaid SDK and Jumio SDK, enhancing app capabilities while maintaining data security.
- Contributed to fintech projects involving secure crypto integrations, leveraging web3 for blockchain interactions that ensured data integrity.
- Integrated advanced machine learning models with Python and Pytorch for data analysis and predictive analytics, improving data-driven decision-making capabilities by 30% for client platforms.
- Mentored junior developers by conducting code reviews and technical training sessions.
- Deployed applications on AWS and Azure, using Docker for containerization and integrating AI services like AWS SageMaker to support machine learning workflows, leading to a 40% improvement in resource management and application scalability.
- Developed and integrated NLP algorithms using Python to enhance user interaction features, reducing customer support response times by 20%.
- Collaborated with UX/UI teams to create mockups and prototypes using Figma, facilitating efficient feature development and shortening the design-to-deployment cycle.
- Implemented cloud-native infrastructure and CI/CD pipelines using AWS, Terraform, and Kubernetes and utilized Salesforce integration for CRM solutions.

- Acted as a team player, mentoring junior engineers, participating in code reviews, and contributing to a collaborative team culture.

**Convoy**  
**Senior Software Engineer**  
**Nov 2019 - Jun 2021**

- Developed scalable features using a full-stack approach, implementing front-end interfaces with modern frameworks and back-end services using Node.js, enhancing platform performance by 30%.
- Built and maintained RESTful APIs with Node.js and integrated them with a dynamic user interface, improving data handling efficiency by 25%.
- Led database design and optimization using MySQL, PostgreSQL and MongoDB, resulting in 40% faster data retrieval and a more seamless experience for end-users.
- Implemented complex business logic on the server side to support real-time data processing and synchronization, reducing data inconsistency issues by 20%.
- Collaborated with product managers and designers to deliver user-centric features, extending the platform's capabilities and increasing user satisfaction by 20%.
- Enhanced CI/CD pipelines using Jenkins and CircleCI for both front-end and back-end deployments, cutting the release cycle time by 40%.
- Optimized application performance on both client and server sides, reducing overall load times by 50% through efficient state management and database query optimization.
- Implemented automated testing across the stack using tools like Jest, Mocha, and Cypress, increasing test coverage to 90% and reducing production bugs by 35%.
- Built new document processing features using Python and Java, integrating third-party services for document verification and improving security by 50%.
- Worked cross-functionally in an Agile environment, driving the end-to-end development of product features that contributed to a \$2M increase in annual revenue.

**SquareSpace**  
**Software Engineer**  
**Nov 2016 - Oct 2019**

- Developed scalable platform features using JavaScript, TypeScript, React.js, and Node.js, resulting in a 30% improvement in global application performance.
- Designed and implemented RESTful APIs with Node.js and Nest.js, enabling seamless integration with front-end applications and reducing integration time by 25%.
- Led cloud deployment efforts on AWS and Azure, improving system uptime to 99.9% through efficient cloud-native tools and resource management.
- Optimized database interactions using MySQL, PostgreSQL, and MongoDB with TypeORM and Prisma, resulting in 40% faster query processing times.
- Ensured compliance with HIPAA and GDPR by implementing security protocols, reducing data breach incidents by 15%.
- Enhanced the user interface using React.js, Styled-Components, and Material UI, improving user satisfaction scores by 20%.
- Implemented automated testing using Jest, Mocha, Cypress, and Selenium, increasing test coverage to 95%, reducing bugs in production by 35%.
- Set up and maintained CI/CD pipelines with Jenkins and CircleCI, cutting the release cycle time by 40% and improving overall deployment efficiency.
- Built document processing features using Python and Java, integrating Jumio SDK to enhance document verification accuracy by 50%.
- Developed real-time collaboration tools with WebRTC and gRPC, increasing document approval efficiency by 30%.
- Collaborated in an Agile environment with cross-functional teams, leading to a 15% faster turnaround on feature implementation.
- Streamlined project structure using Monorepo practices, reducing code duplication by 25% and simplifying dependency management.
- Improved code consistency by implementing ESLint and Prettier configurations, decreasing code review feedback loops by 20%.
- Containerized applications using Docker and Kubernetes, increasing resource utilization efficiency by 35%.
- Created comprehensive API documentation using Swagger and OpenAPI, improving integration speed for internal teams by 30%.

## EDUCATION

University of Texas at Austin | Bachelor of Science in Computer Science | 2016