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Professional Summary

Software Engineer with **7+ years of experience** building modern user interfaces and scalable high-performance web applications in enterprise environments. Specialized in **TypeScript/JavaScript, React, Node.js, Java, GraphQL, REST APIs, and cloud-based CI/CD pipelines**. Proven ability to lead teams, ship production systems used by **millions of users**, and deliver reliable, maintainable software at scale.

Technical Skills:

Frontend: JavaScript, TypeScript, React, Redux, Next.js, Apollo Client, HTML5, CSS3, SASS, Webpack, Vite

Backend: Node.js, Express.js, Java, REST APIs, GraphQL,

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Sequelize ORM

Messaging & Streaming: Apache Kafka, Redis (Pub/Sub, Distributed Locks, Caching)

AI & Automation Tools: LLMs, Claude Code, Cursor, n8n, Prompt Engineering, AI-Assisted Development

DevOps & Tools: Docker, GitHub Actions, Jenkins, CI/CD Pipelines, AWS, AWS Serverless Functions

Testing: Cypress, Jest, Mocha, Chai, Puppeteer, Playwright, React Testing Library, JUnit, JMeter

Languages: JavaScript, Java

Other: Object-Oriented Programming, API Design, Cloud Deployment

Professional Experience

Genesys — New York, NY

Software Engineer

March 2026 – Present

- Develop and maintain a cloud-native demonstration platform used by **3,000+ internal employees, solution consultants, and external partners** each month to showcase and learn the Genesys Cloud platform.
 - Build full-stack features using **React, TypeScript, Node.js, Next.js, AWS Lambdas, API Gateway, DynamoDB, Amazon S3, and AWS CloudWatch**, enabling scalable, **serverless applications** with end-to-end observability.
 - Improve platform **scalability, reliability**, and developer efficiency through **clean architecture**, reusable services and developer tooling.
 - Built a RAG assistant using **LangChain, OpenAI APIs**, and **vector search** to enable solution consultants and partners to deliver personalized demos that accelerate enterprise sales.
 - Implemented **AI-assisted development** and **specification-driven development** practices to improve code quality, consistency, and engineering productivity.
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Independent Consulting — New York, NY

Software Engineer

August 2025 – April 2026 (9 months)

- Designed and delivered **AI-powered automation solutions** for small-business clients, reducing manual workflows and supporting lead generation.
- Built **RAG**-based customer-support and appointment-booking systems using **OpenAI** models, **LangChain**, **PostgreSQL** with pgvector, and **n8n**.

- Developed chatbot widgets, Node.js services, and internal dashboards for lead capture, client intake, and automated booking.
- Worked directly with clients to translate business requirements into production-ready software solutions.

American Express — New York, NY

Software Engineer

May 2019 – August 2025 (6 yrs 4 months)

- Led a team of engineers to design and build a **drag-and-drop, Photoshop-like dynamic content builder user interface** using React, Node.js, GraphQL and Interact.js.
- Built and maintained an **enterprise marketing campaign management platform** delivering personalized dynamic emails to **7M+ American Express card members daily**.
- Designed and implemented **Node.js and Java-based REST APIs and GraphQL queries/mutations** supporting large-scale personalization workflows.
- Worked across **SQL and NoSQL databases** (PostgreSQL, MongoDB) to support high-volume transactional systems.
- Implemented **Redis-based distributed locking and Pub/Sub messaging** to prevent race conditions and ensure consistency across concurrent background jobs and services.
- Leveraged **Kafka streaming** for real-time messaging and event-driven communication between services supporting high-volume marketing and personalization workflows.
- Deployed applications to an enterprise cloud environment using **Docker and Jenkins CI/CD pipelines**.
- Collaborated cross-functionally with product, design, and QA teams in an **Agile/Scrum** environment.

Empire Capital Holdings (Think Empire) — New York, NY

Full Stack Web Development Intern

November 2018 – April 2019 (6 mos)

- Developed responsive **React.js** interfaces for a real estate prospecting platform that surfaced high-potential investment properties for brokers based on ownership history and mortgage data.
- Built full-stack features with **React.js, Node.js, REST APIs, and MySQL** to aggregate and display public property records for real estate brokers.
- Designed backend **Node.js APIs** and optimized **MySQL** queries to support efficient property search, filtering, and data retrieval.
- Collaborated with stakeholders to translate business requirements into production-ready features.

Projects

SingToSpeak

AI-Powered Language Learning Platform

<https://singtospeak.com>

- Built a full-stack language learning platform that teaches Spanish through AI-powered lessons and synchronized song lyrics.
 - Developed the application using **Next.js, React, Node.js, PostgreSQL, REST APIs, and OpenAI APIs**.
 - Built AI workflows for bilingual lyric generation, educational content creation, and SEO automation.
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Calisthenic Parks

Full-Stack Web Application

<https://calisthenic-parks.com>

- Built a location-based directory platform for discovering calisthenics parks.
 - Developed using **React.js**, **Next.js**, **Node.js**, **REST APIs**, and **PostgreSQL**.
 - Implemented search, filtering, and scalable data ingestion features.
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E-commerce Store

<https://aaronquendo.com/portfolio/projects/online-clothing-store/index.html>

- Designed and developed a responsive e-commerce storefront using **HTML**, **CSS**, and **JavaScript**.
 - Implemented product pages, cart functionality, and UI interactions.
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Real Estate Listing Application

<https://real-estate-listing-application.netlify.app>

- Full-stack real estate listings platform built with **React.js** and **Node.js**.
 - Implemented backend APIs, database integration, and deployment workflows.
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RAG-Powered AI Appointment-Setting & Client Intake Chatbot

Demo: <https://www.youtube.com/watch?v=G7n5892QCB>

- Built a RAG-based AI chatbot for a law firm using **GPT models**, **n8n**, **LangChain**, **Supabase (PostgreSQL)**, and **WordPress** to automate intake and appointment scheduling.
 - Implemented structured data extraction, lead qualification, and automated calendar booking to reduce manual follow-up.
 - Chat Dashboard: <https://lawfirmchatbotconversationsdashboard.replit.app>
 - Username: testuser | Password: bluesky2026
 - Law Firm Website: <https://www.zoeckleinlawpa.com>
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AI-Powered SEO Research/Optimized Article Generation Automation

Demo: <https://www.youtube.com/watch?v=8JUCTJA8Zyk>

- Built an end-to-end SEO automation pipeline using **OpenAI APIs**, **n8n**, **DataForSEO**, and **Google Sheets** to automate competitor research, keyword strategy, and long-form article generation.
 - Created structured workflows for data scraping, keyword clustering, and content generation, reducing manual research time by 80%+.
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Education

Bachelor of Science in Computer Science

College of Staten Island — Staten Island, NY

2013 - 2018