

Rohan Sinha

Analytical and detail-oriented Software Engineer with expertise in application development, data analytics, and AI/ML-driven solutions. Experienced in building web and mobile applications, developing integrations, and leveraging APIs for automation. Passionate about using technology to drive efficiency, enhance decision-making, and solve complex business challenges.

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, JSON, C#, HTML/CSS (UI/UX), TailwindCSS, Bash, Perl, Ruby

Frameworks & Tools: Angular, Next.js, React, .NET Framework, Node.js, Kubernetes, Docker

AI & Data Analytics: Machine Learning, Generative AI, Data Preprocessing

Databases: PostgreSQL, MySQL, MongoDB

APIs & Integrations: REST, SOAP, SFTP, Appwrite, Twilio

Version Control: Git, GitHub

Development Methodologies: Agile, Prototyping, Test-Driven Development

SOFTWARE DEVELOPMENT PROJECTS

Carepulse — *Next.js, TypeScript, Tailwind, Appwrite, Sentry*

- Developed an AI-driven healthcare support platform, increasing operational efficiency by 50%.
- Designed and deployed real-time analytics dashboards for monitoring performance.
- Integrated external APIs to streamline data processing and enhance user experience.

Carhub — *Next.js, TypeScript, Tailwind, HeadlessUI, Rapid API*

- Built a data-driven vehicle search platform, reducing search time by 70%.
- Implemented server-side caching and optimized API calls to improve speed and reliability.

RELEVANT EXPERIENCE

Software Engineer | Freelance | *New York, NY*

August 2023 - Present

- Developed small-scale web and mobile applications to enhance business operations, improving efficiency and user experience.
- Built Python-based financial models for trend analysis and forecasting, demonstrating a solid understanding of financial instruments.
- Created API integrations to automate data retrieval, reducing manual workflows by 50% and enhancing operational efficiency.

Software Engineer Intern | Lukka | *New York, NY*

June 2024 - September 2024

- Developed and optimized Python and SQL-based data pipelines for financial data ingestion, enhancing data accuracy and efficiency.
- Assisted in building risk assessment models, reducing data processing time by 40% through refined analytical methodologies.
- Partnered with cross-functional teams to improve data accuracy and streamline processes, contributing to overall operational efficiency.

Account Executive | Echo Global Logistics | *Brooklyn, NY*

August 2020 - September 2024

- Managed operational data and automated reporting processes, improving forecasting accuracy by 80%.
- Conducted market research and data analysis, supporting strategic decision-making and enhancing financial strategies.
- Developed SQL-based analytics tools, optimizing financial reporting and logistics operations, reducing processing time by 90%.

Analyst | Groupon | *Chicago, IL*

May 2014 - November 2017

- Led development of internal analytics tools, enhancing financial reporting efficiency, resulting in a 20% reduction in reporting time.
- Streamlined data collection and forecasting processes with engineering teams, reducing system runtime by 30%.
- Conducted market research to inform product strategy and customer acquisition, increasing customer engagement by 15%.

EDUCATION

General Assembly | Software Engineering — *New York, NY*

Texas A&M University | B.A. — *College Station, TX*