

## Contact

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## Top Skills

Node.js  
TypeScript  
Fastify

## Certifications

Node (Basic) Certificate  
Node.js (Intermediate) Certificate  
Enterprise Design Thinking  
Practitioner  
Data Science Orientation  
React Native Fundamentals

# Rutvij Sathe

Software Engineer II @ Amex | Typescript | Node.js | Go | GraphQL |  
gRPC  
Toronto, Ontario, Canada

## Summary

As a Software Engineer, I develop innovative web applications using Node.js, GraphQL, TypeScript, and React. I work with a cross-functional team of designers, developers, and marketers to deliver engaging and user-friendly products that meet the client's needs and expectations.

I have a Post Graduate Certificate in Business Intelligence System Infrastructure from Algonquin College, where I learned how to design, implement, and manage data warehouse and business intelligence solutions. I also have a Post Graduate Certificate in Big Data Analytics from Georgian College, where I gained hands-on experience in data analysis, visualization, and machine learning. Additionally, I have a Bachelor of Engineering in Information Technology from Vishwakarma Institute of Information Technology, where I acquired a solid foundation in programming, database, and web technologies.

I am proficient in TypeScript, React.js, Node.js, GraphQL and Express.js, as well as SQL Database Administration, Tailwind CSS, and MongoDB. I have completed multiple online courses and certifications to enhance my skills and knowledge, such as The Complete Front End Web Development, Data Science Orientation, and React Mastery. I am passionate about learning new technologies and applying them to solve real-world problems. I am also a collaborative team player who follows agile methodologies and software engineering best practices.

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## Experience

American Express  
Software Engineer II  
October 2024 - Present (1 year 3 months)  
Toronto, ON

- Led the migration of multiple backend services from AdonisJS v5 to v6, ensuring seamless transition to ESM modules and updated IoC container patterns, which improved code maintainability and reduced build times by 20%.
- Developed and maintained scalable APIs using AdonisJS and TypeScript, enhancing transaction processing efficiency and supporting over 1 million daily transactions.
- Built responsive user interfaces with Next.js and Tailwind CSS, leading to a 25% increase in user engagement and a 15% reduction in bounce rates.
- Implemented robust authentication mechanisms utilizing AdonisJS's built-in Auth module, strengthening security compliance and reducing unauthorized access attempts by 40%.
- Adopted Test-Driven Development (TDD) practices with Jest, increasing code reliability and reducing post-deployment defects by 30%.
- Improved deployment efficiency by 40% through streamlining CI/CD pipelines using GitHub Actions and Jenkins

## Glitchy Digital Marketing

### Senior Software Engineer

May 2024 - October 2024 (6 months)

Los Angeles, California, United States

- Managed a team of 6 software engineers, ensuring on-time product delivery and successful releases.
- Enforced GitHub Action checks and conducted thorough code reviews to maintain high code quality.
- Designed and architected scalable solutions for new features according to the product roadmap.

## Viral Nation

### Software Engineer

June 2023 - May 2024 (1 year)

Toronto, Ontario, Canada

- Engineered and refined GraphQL APIs and backend services for Viral Nation's platform, achieving 50% faster data manipulation and retrieval.
- Built an integrated full-stack system with BFF, middleware, orchestration, and backend layers to boost application scalability by 45%.
- Optimized PostgreSQL database queries and implemented caching mechanisms using redis to reduce query times by 80%.

## Nanoleaf

### Full Stack Developer Intern

September 2022 - December 2022 (4 months)

Toronto, Ontario, Canada

- Developed an ETL pipeline integrating diverse data sources with Google Big Query, reducing manual data handling by 50% and boosting data accessibility.
- Improved website loading time by 30% through lazy loading, resulting in a better user experience.

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## Education

### Algonquin College of Applied Arts and Technology

Graduate Certificate, Business Intelligence System Infrastructure · (January 2022 - December 2022)

### Georgian College

Graduate Certificate, Big Data Analytics · (May 2021 - December 2021)

### Vishwakarma Institute of Information Technology

Bachelor of Engineering - BE, Information Technology · (May 2016 - May 2020)