

FULL-STACK DEVELOPMENT / SOFTWARE ENGINEER

Full-Stack Developer Building Scalable Web Applications, Optimizing Performance, And Delivering Secure, High-Impact Software.

Experienced Full-Stack Developer with a strong background in building and maintaining responsive web applications using JavaScript, React.js, Node.js, Express.js, and MongoDB. Skilled in developing RESTful APIs, implementing secure user authentication (JWT, OAuth 2.0), and deploying full-stack solutions on AWS and Netlify. Hands-on experience working on projects involving blockchain functionality with Ethereum and Solidity, and optimizing front-end performance with Tailwind CSS. Demonstrates consistent problem-solving ability, clear communication, and collaboration within Agile development teams. Committed to writing clean, maintainable code and delivering reliable, user-friendly applications that meet project goals and client requirements..

TECHNICAL SKILLS

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| ❖ JavaScript (ES6+) | ❖ Debugging & Performance Optimization | ❖ Attention to Detail & Self-Learning Mindset |
| ❖ Blockchain & Smart Contract Implementation (Solidity, Ethereum) | ❖ Cloud Deployment (AWS & Netlify) | ❖ Version Control (Git, GitHub) |
| ❖ MongoDB & Express.js | ❖ Cross-Functional Team Collaboration | ❖ Problem-Solving & Analytical Thinking |
| ❖ Agile & Scrum Methodologies | ❖ Responsive Front-End Design (HTML5, CSS3, Tailwind CSS) | ❖ API Security & Authentication |
| ❖ RESTful API Development | | |

PROFESSIONAL EXPERIENCE

Full-Stack Developer
Scarborough Health NetworkOct 2022 – Oct 2025
Toronto, ON

- Developed responsive and reusable UI components using React and Material-UI, enhancing user interface consistency and reducing development time.
- Built a secure internal mailing and notification system with NodeMailer, improving interdepartmental communication efficiency by 40%.
- Integrated external applications into file import and parsing workflows, reducing manual data entry errors by 30%.
- Implemented persistent data storage using UUID-based document retrieval, boosting access reliability and speed by 45%.
- Optimized SQL queries across CRUD operations, reducing query response times by 50% and improving application performance.
- Collaborated with cross-functional teams in an Agile environment to deploy new modules supporting over 5000 internal users.
- Utilized Git for version control, ensuring reliable code traceability and reducing merge conflicts by 20%.

Software Engineer
Corsameccanica Inc.Jun 2022 – Oct 2022
Toronto, ON

- Developed and deployed a mobile-first web application integrating the Google Maps API and Dijkstra's Algorithm to optimize route generation, improving navigation accuracy and performance for end users.
- Enhanced an e-commerce platform by maintaining product data, updating inventory, and integrating Stripe API for secure online payments, ensuring seamless checkout and PCI-compliant transactions.
- Refactored and modernized legacy front-end architecture using React.js and Styled Components, resulting in a 25% reduction in code redundancy and improved UI scalability.
- Implemented CI/CD practices with Git-based version control and Agile sprint cycles, ensuring rapid delivery and consistent version tracking across multiple environments.
- Collaborated with cross-functional teams to build RESTful APIs and modular backend components with Node.js and Express, improving system stability and integration speed.
- Conducted code reviews, optimized API performance, and resolved production issues to maintain 99.9% application uptime and enhance user experience.

Full-Stack Developer

Property Management Squad

Nov 2017 – Apr 2022

Hamilton, ON

- Developed a cross-platform property management web application using React, Node.js, and MongoDB, improving tenant–landlord communication and issue resolution time by 40%.
- Implemented real-time bi-directional messaging with Socket.io, enhancing user engagement and platform responsiveness.
- Designed and deployed a document and payment dashboard using Express File Upload and MongoDB, streamlining document storage and digital payment workflows.
- Integrated Ethereum smart contracts (Solidity) and MetaMask for secure, blockchain-based payment processing, ensuring transparency and reducing third-party dependency.
- Built scalable, responsive front-end interfaces with React and Tailwind CSS, optimizing performance and reducing development time by 30%.

EDUCATION

California Institute of Technology (Caltech)
Post Graduate Program in Software Development

Pasadena, CA
December 2021

General Assembly
Software Engineering Immersive Bootcamp

Toronto, ON
August 2021

PROJECTS

Finsage – Investment Watchlist & Market Intelligence App

Tech Stack: TypeScript, Next.js, Node.js, MongoDB, Shadcn UI, Inngest, Gemini API, Nodemailer, Better Auth, CSS, Figma

- Developed an interactive investment platform allowing users to track stocks, set price and volume alerts, and explore real-time market insights. Implemented automated notifications using Inngest and Nodemailer, and integrated Gemini API for live stock evaluations and news updates. Designed secure authentication flows with Better Auth and built a responsive dashboard using Shadcn UI and Figma prototypes. The app provides a seamless, real-time portfolio experience comparable to platforms like Robinhood, highlighting advanced full-stack and event-driven architecture skills.

Interactive Shortest Path Visualization Tool – [Live Site](#)

Tech Stack: JavaScript, React, Graph Theory, Canvas API, Data Structures

- Developed an interactive web-based tool that visualizes shortest path algorithms in real time, enhancing user understanding of graph theory and data structures. Designed a drag-and-drop graph builder and implemented a step-by-step algorithm breakdown using React and the Canvas API. Optimized rendering logic to handle large datasets efficiently, improving responsiveness and stability. Created an educational visualization platform showcasing real-world algorithm applications, similar to route optimization systems used by Uber and Google Maps, demonstrating strong algorithmic thinking, front-end architecture design, and data visualization skills.

Quickoin: Global Crypto Transfer & Trading Platform – [Live Site](#)

Tech Stack: React, Node.js, Ethereum, Solidity, Web3.js, Blockchain APIs, MetaMask Integration

- Developed a secure, blockchain-powered platform enabling real-time crypto market tracking, wallet integration, and instant cross-border transactions. Built the front-end with React and connected it to a Node.js backend to support fast, reliable data exchange. Integrated Ethereum smart contracts using Solidity and Web3.js to ensure secure and transparent digital transactions. Designed a streamlined onboarding flow and intuitive user interface, improving accessibility for non-technical users. The project applies blockchain and Web3 concepts similar to systems used by Coinbase and Binance, highlighting practical experience in decentralized finance (DeFi) development and fintech UX design.

Figma to React: AI Consultancy Interface – [Live Site](#)

Tech Stack: React.js, JavaScript, Figma, Material-UI, CSS3, Responsive Design

- Converted high-fidelity Figma designs into a fully functional, responsive web interface using React.js and Material-UI, achieving pixel-perfect accuracy across devices. Implemented a modular, component-based architecture to streamline future updates and maintain code efficiency. Optimized layout and styling for mobile responsiveness, ensuring a seamless user experience on all screen sizes. This project reflects practical front-end development workflows used by platforms like Slack and Atlassian, showcasing the ability to bridge design and development for consistent, user-centered digital products.

Browser-Based Retro Platformer (Inspired by 1980s Mario) – [Live Site](#)

Tech Stack: *JavaScript, HTML5 Canvas, CSS3, Game Physics, Collision Detection, Animation*

- Built a 2D browser game with smooth 60fps gameplay, responsive controls, and multi-level design. Implemented collision detection, physics, and animations to create an engaging, lightweight gaming experience optimized for both desktop and mobile users.

CERTIFICATIONS

Aviatrix Certified Engineer - March 2022

Scrum Foundation Professional Certificate (SFPC) - June 2021

AWS Certified Solutions Architect – Associate - September 2021

Aviatrix, Online

SCRUMstudy, Online

Amazon Web Services, Online