

Vivek Thakur

Waterloo, ON | contact@vivekthakur.dev | linkedin.com/in/vivekvt | github.com/vivekvt | vivekthakur.dev

EDUCATION

Conestoga College

Post Graduate Diploma in Mobile Solutions Development

Waterloo, ON Canada

Sept. 2023 – Dec. 2024

University of Mumbai

Bachelor of Engineering in Information Technology

Mumbai, India

Aug. 2017 – Jun. 2021

TECHNICAL SKILLS

Frontend: React, Next.js, React Native, Redux, Angular, JavaScript/TypeScript, HTML/CSS

Backend: Node.js, Express.js, GraphQL (AWS AppSync/Apollo), REST APIs, Java

Database: MongoDB, Mongoose, MySQL, PostgreSQL, Redis

DevOps & Cloud: AWS (Lambda, Cognito, EC2, S3), Docker, CI/CD, Serverless Framework, Git

Tools & Testing: Jest, Cypress, Figma, Xcode, Android Studio, VS Code, Stripe integration

EXPERIENCE

Co-Founder & Technical Lead

Tyes Inc.

Jan. 2024 – Aug. 2024

Kitchener, ON Canada

- Conceptualized & developed MVP prototype for EV charger aggregation platform through Conestoga Venture Lab
- Conducted comprehensive market research, interviewing 50+ potential users and industry experts
- Created detailed pitch materials that attracted initial seed funding interest
- Implemented lean startup methodologies to iterate on product-market fit
- Led end-to-end technical development, from prototyping to integration planning

Full-Stack Developer

Codemarket

Jul. 2020 – Nov. 2022

Remote, India

- Developed web applications using React and Next.js with server-side rendering, improving load times by 40%
- Engineered cross-platform mobile applications using React Native with AWS Amplify
- Established monorepo architecture with Yarn workspaces, reducing development time by 30%
- Implemented testing strategy with Jest and Cypress, achieving 85%+ coverage and reducing bugs by 65%
- Designed GraphQL APIs using AWS AppSync and Lambda with Stripe payment integration
- Optimized MongoDB through indexing and query refinement, reducing response times by 50%
- Orchestrated CI/CD pipelines using AWS CodePipeline for automated deployments
- Led migration from REST APIs to GraphQL API, resulting in 35% reduction in communication overhead

PROJECTS

Bluepilot - Generative AI Agent | *React, Next.js, Node.js, Supabase, PostgreSQL, Vercel, LLM APIs* | [Github](#)

- Developed an AI agent that generates production-ready React codebases from natural language prompts
- Implemented live code preview, file structure visualization, and instant code download functionality
- Enabled seamless one-click deployment to Vercel with automatic backend and frontend configuration
- Integrated multiple LLM APIs (Google Gemini, Anthropic Claude) for intelligent code generation and UX prompts

E-commerce Mobile Store | *React, Next.js, Redux, Node.js, Express.js, MongoDB, Stripe, Vercel, Render* | [Github](#)

- Developed a feature-rich full stack e-commerce platform from concept to deployment
- Created intuitive shopping interface with advanced filtering and search capabilities
- Implemented secure backend architecture focusing on data integrity and transaction reliability
- Integrated payment gateway with comprehensive error handling and security measures

CERTIFICATIONS

Front-End Web Development With React | *Coursera*

Server-Side Development With Nodejs, Express And Mongoddb | *Coursera*