ALEN GEORGE

Oakville, Ontario

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Core Technical Competencies

- Programming Languages: JavaScript ES6+, TypeScript, Java 17+, Python 3.x, React 18, Next.js 15, Spring Boot 3.x, Node.js
- Cloud Architecture & DevOps: AWS (EC2, S3, RDS), Docker, Microservices Architecture, CI/CD Pipelines, Git/GitHub
- AI & Data Engineering:TensorFlow, Machine Learning, PostgreSQL, MongoDB, Redis, Database Optimization, Predictive Analytics
- Agile Development & Engineering Tools: Test-Driven Development (TDD), Agile Scrum, Code Reviews, Jira, Postman, Data Modeling

Work Experience

Business Analyst Intern at OneMotion Technologies Inc. (Burlington, ON)   April 2025 - August 2025

Supported business requirements analysis and technical specification development for $1.2M+ software development projects

- Requirements Analysis: Gathered and documented business requirements from stakeholders, translating them into 15+ technical specifications for development teams
- Process Optimization: Analyzed existing workflows and recommended improvements, resulting in 35% increase in development efficiency
- Stakeholder Management: Conducted 50+ stakeholder interviews and requirements sessions, ensuring 98% client satisfaction with deliverables
- Data Analysis: Performed cost-benefit analysis and ROI calculations for software initiatives, supporting executive decision-making
- Quality Assurance: Developed acceptance criteria and testing protocols, achieving 95% defect-free deployment rate
- Project Reporting: Created comprehensive business intelligence reports and dashboards for C-level executives

Software Development Analyst Intern at Samskirta Bharati (Mississauga, ON)   September 2024 - December 2024

Developing scalable web applications serving 5,000+ daily users with modern technologies

- Frontend Development: Built responsive React.js interfaces with TypeScript, improving user engagement by 35%
- Backend Architecture: Designed RESTful APIs using Node.js and Express.js, handling 100,000+ API calls monthly
- Database Design: Implemented optimized PostgreSQL schemas with advanced indexing, achieving 40% faster query performance
- Code Quality: Maintained 98% code coverage through comprehensive testing and peer code reviews
- Performance Optimization: Enhanced application performance resulting in 25% reduction in page load times

Technical Projects

Enterprise Stock Portfolio Analytics Engine | React, Node.js, PostgreSQL, Redux Toolkit, Yahoo Finance API, JWT | GitHub Repository

- Architected high-performance financial data processing engine with real-time market integration, handling concurrent portfolio calculations across multiple securities with sub-200ms API response times
- Engineered production-grade security infrastructure featuring encrypted JWT authentication, SQL injection prevention, bcrypt password hashing, and automated database schema provisioning with zero-downtime deployments
- Developed sophisticated portfolio analytics system with advanced performance tracking, gain/loss calculations, historical trend analysis, and interactive data visualizations supporting complex financial modeling

AI-Powered Financial Intelligence Platform | Next.js 15, React 18, TypeScript, OpenAI, Framer Motion | GitHub Repository

- Pioneered cutting-edge AI financial advisor system integrating OpenAI GPT-4 for intelligent spending analysis, personalized budget optimization, and predictive financial forecasting with machine learning-driven insights
- Developed intelligent data visualization engine with real-time financial dashboards, interactive trend analysis, category-based spending breakdowns, and advanced chart implementations supporting complex financial data interpretation
- Implemented next-generation frontend architecture leveraging Next.js 15 App Router, TypeScript strict mode, server-side rendering optimization, and modular component design patterns ensuring maximum performance and maintainability

Education

Sheridan College   May 2023 - September 2026
Software Development and Network Engineering   Oakville, Ontario
CGPA : 3.73