James (Alex) Whitman

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Full-Stack Software Developer

Halifax, NS
Open to remote/relocation

I'm a recent graduate with the expertise to rapidly develop full-stack applications, databases, and machine learning models, while also possessing the social skills to collaborate with a team and determine complex requirements with non-technical stakeholders.

EDUCATION

Bachelor of Science - Major in Computer Science, Minor in Medical Sciences   **2018 - 2022**
Western University   *London, ON*

International Baccalaureate Diploma Programme   **2016 - 2018**
Halifax Grammar School   *Halifax, NS*

CERTIFICATIONS

Professional Machine Learning Engineer   **Jan. 2023**
Google Cloud Platform   *Online Certification Exam*

Associate Cloud Engineer   **Nov. 2022**
Google Cloud Platform   *Online Certification Exam*

SOFT SKILLS

Languages	English (native), French (B1), Spanish (A2)
Communication	Presentations, Public Speaking, Teamwork, Conflict Resolution, Typing Speed: 115+ wpm
Project Planning	UML Diagrams, Jira, GitHub Projects, Time Management, Agile & Critical Path Methodology, User Stories

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, C++, C, Java, Perl, PHP, R, SQL, HTML/CSS, Shell Scripts
Frameworks	React.js/Next.js, React Native, Solito, Angular, Vue/Quasar, Django, jQuery/VanillaJS, LAMP, Express.js
Frontend	Storybook.js, CSS Animations, 3D rendering (WebGL/Three), ARIA, SEO, TLS, WebAssembly
Backend	REST, GraphQL, & tRPC APIs; Load-Balancing, Networking, Threading, Nginx, Pub/Sub, Encryption
Databases	Relational, NoSQL, Distributed, Graph, & Key-Value Memory-Cached DBs; Consistency, Availability
DevOps	C.I./C.D. Pipelines, Docker, Kubernetes, Turborepo, Terraform, Test-Driven Development, Cypress, Jest
Data Analysis	NumPy, Pandas, SciPy, BigQuery, Dataflow, Dataproc, Regression, Classification, Statistical Analyses, PCA, Excel
Machine Learning	CNNs, RNNs, GANs, Transformers, NLP, LLMs, Computer Vision, Clustering, Tensorflow, TFX/Kubeflow
Media Creation	Photoshop, Premiere Pro, Matplotlib, Seaborn, Looker Studio, LaTeX, MarkDown, Remotion, Vercel OG

WORK EXPERIENCE

SolutionInc Ltd.   **2019, 2023**
Software Developer   *Halifax, NS*

- Returned in a software development position after working a summer on the support & delivery team while a student.
- Built containerized customer and staff portal apps with Angular, Next.js, and Express.js for a new ISP company. Designed and implemented self-hosted high-availability Kubernetes cluster as hosting solution. Deployed from a C.I./C.D. pipeline using Helm.
- Containerized and upgraded a LAMP-stack network monitoring dashboard. Set up C.I./C.D. with E2E Cypress testing.

Praxes Medical Group   **2021**
Software Developer   *Halifax, NS*

- Maintained and updated their serverless COVID testing software for public rapid testing sites and B2B employer-led testing; facilitated the reporting of 300,000+ test results to patients, as well as aggregate statistic reports to stakeholders.
- Redesigned their database scheme to allow more performant result querying and storage of additional information about tests.
- Designed and implemented a database, serverless backend, and Vue.js web app for volunteer registration and cancellation.

Race Auto Group   **2017, 2018, 2020, 2022**
Software Developer, Technology & Service Coordinator   *Halifax, NS*

- Designed and implemented a Next.js rental car booking system for the dealership in 2 weeks to capitalize on a local rental car shortage. Later added a custom pricing calendar system, to allow dynamically setting rental rates by date range.
- Managed the service desk by creating work orders, ordering parts, resolving customer issues and allocating mechanic time. Was responsible for keeping the company Wordpress website and integrated inventory system up to date.