Brennan Wilkes

+1 778 386 4225 – brennan@codexwilkes.com – github.com/brennanwilkes

Objective: Senior DevOps position providing creative and technical contributions to the automation and scalability of full stack projects.

Professional Summary

- Fifteen year programming background with five years of professional software development experience.
- Diverse technical skillset: DevOps, full-stack development, application programming, and software technologies.
- Strong soft skills in leadership, teamwork, and communication.

Skills

Programming & Scripting		Technologies		DevOps		Design Concepts
POSIX Shell	(6 years)	Linux (Ubuntu)	(6 years)	GIT	(8 years)	REST APIs
Bash	(6 years)	Linux (CentOS)	(4 years)	Docker	(5 years)	AGILE
Typescript	(4 years)	Linux (Alpine)	(2 year)	GitHub Actions	(5 years)	Infrastructure as Code
Javascript	(4 years)	Regex	(4 years)	Terraform	(3 years)	SOLID
C++	(5 years)	ES-Lint / Prettier	(1 year)	Kubernetes	(2 years)	IoT
Python	(4 years)	JUnit / Jest	(1 year)	AWS	(2 years)	Machine Learning
Java	(1 year)	Make / g++	(2 years)	Digital Ocean	(2 years)	Microservices

Front-End		Back-End		Databases		Personal
React	(4 years)	NodeJS	(4 years)	SQL	(5 years)	Leadership
CSS3	(4 years)	expressJS	(4 years)	Redis	(3 years)	Communication
HTML5	(4 years)	Vite & Webpack	(4 years)	MongoDB	(3 years)	Teamwork
jQuery	(4 years)	PHP	(4 years)	mySQL	(2 years)	Creativity
Vue JS	(1 year)	Codeigniter	(2 years)	mariaDB	(2 years)	Project Management

Professional Experience

DevOps Engineer – Text Groove Communications – May 2023 - Present
- Scaled SMS/MMS processing and API from 50 thousand daily requests to 2 million.
- Redesigned production infrastructure using terraform and Kubernetes across 10+ datacentres.
- Designed and developed bespoke build and deployment pipelines for 20+ microservices.

DevOps Developer – Premium Brands Holdings Corporation – Fixed Contract – April 2024 - November 2024.
- Designed and developed dockerized security software for IoT devices.
- Automated build and deployment processes for 120+ production IoT devices using bespoke CI/CD pipelines.

Full-Stack IoT Developer – Barnacle Systems – May 2022 - December 2022
- Designed and developed the entire backend infrastructure for the BRNKL Black (brnkl.io/government-commercial/black).
- Reduced primary product build time from 25+ minutes to 30 seconds.
- Automated company deployment processes for 500+ production IoT devices using bespoke CI/CD pipelines.

DevOps Consultant – MyFO – Fixed Contract – August 2022 - October 2022
- Consulted on Infrastructure as code (Terraform and AWS) design for a large financial technologies platform.
- Built continuous deployment pipelines for a large financial technologies platform.

DevOps and Backend Developer – Goopter eCommerce Solutions – January 2021 - May 2022
- Built CI/CD pipelines and developer tool suites for six external projects.
- Developed, maintained, and performed code review for a large eCommerce platform.
- Held development team seminars teaching fundamentals of git, GitHub, and trunk-based development.

Full-Stack Developer – Premium Brands Holdings Corporation – Fixed Contract – September 2021 - December 2021
- Rebuilt a legacy corporate website using modern technologies (ReactJS) while maintaining existing designs.
- Designed and developed CI/CD pipelines for deploying to three production environments.
- Wrote new developer documentation for future site maintenance, development, and deployment.

Portfolio

Published DevOps Research (*ask me about this!*)
bw.codexwilkes.com/_media/icsme.pdf – conf.researchr.org/

Wrote and published an academic paper at the International Conference of Software Evolution and Maintenance 2023 (22.7% acceptance rate) on automatically measuring DevOps performance.

Cloud Infrastructure Automation Platform
github.com/devxp-ca/devxp

Cloud	Terraform	AWS	Google Cloud
GitHub Actions	GIT	NodeJS	Typescript
Docker	Webpack	expressJS	Public APIs

Classifying Bug-Inducing Commits using Machine Learning
bw.codexwilkes.com/_media/CommitML.pdf

GIT	Classification	AI	ML
Java	AST	LSTM	CNN
ApacheJIT	code2vec	BERT	SZZ

AI and Cloud-based Radio DJ
github.com/brennanwilkes/gcs-radio

GIT	MongoDB	React	Google Cloud
GitHub Actions	REST	NodeJS	Typescript
Docker	Webpack	expressJS	Public APIs

Education

University of Victoria – Victoria – Graduation with Distinction 2023
- Bachelor degree of computer science
- Dean's List
- Primary author on published DevOps research (see above)

Langara College – Vancouver – Graduation with Distinction 2021
- Citation of full stack web development
- Diploma of computer studies
- Chartwells Awards of Excellence 2020 recipient
- President's Trust Scholarship 2019 recipient
- Dean's Honor Roll x5

Volunteer Work

- Coach and Director – Eric Hamber Soccer – Vancouver – 2017-2021
- Coach – Escola bola – Rio de Janeiro – 2018
- Coach – Vancouver Community Baseball – Vancouver – 2015-2017