

Brayden Arthur

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Summary	Experienced Full Stack Developer with a passion for the intersection of product and software development. Excels in both front-end and back-end technologies, particularly proficient in TypeScript and Python. Possesses exemplary soft skills, facilitating effective communication and collaboration within teams and with clients. Known for being a supportive mentor and an enthusiastic speaker, capable of conveying complex technical concepts in an accessible manner. Dedicated to delivering high-quality, user-centric software solutions while fostering a positive and productive working environment.	
Education	University of Victoria - Bachelors of Software Engineering	2012-2018
Experience	Ability Software - Founder	2022 - Present
	Ability Software is a sole proprietorship for developing custom solutions in a software space.	
	Provide personalized training and educational resources to help clients understand and effectively develop their software applications. Address a wide range of other software-related inquiries and challenges, ensuring tailored and practical solutions to meet each client's unique needs.	
	Energy Toolbase - Senior Software Developer	2022 - Present
	Energy Toolbase - Full Stack Software Developer	2018 - 2022
	Energy Toolbase is a platform for the model, control, and monitoring of solar and storage assets for primarily C&I clients.	
	Worked on the Developer application working to modernize and containerize the simulation tool built in typescript, with a .net framework server.	
	Work in the Monitor Team developing services for managing incoming data and displaying it for users. Deploying Typescript applications on Node for data processing, various lambdas for post processing, an Apollo GQL data access layer, and React front end. Services are deployed via helm to EKS.	
	Used.ca - Co-op Full Stack Developer	2017
	Used.ca is a Victoria based online classifieds site for the sale of used items and advertisement of services.	
	Assisted with the development of a new codebase for the main website in Django transferring from existing Pylons code written in Python	
	Created an administrative tool for internal use to help with the moderation of classified advertisements. The tool was created using Flask, MongoDB, with an ELK stack for searching and logging of advertisements.	
Projects	Simple Wave Sample Generator	2023
	Created a web service that lets you select audio characteristics to create and listen to downloadable wav files in Python on Flask.	
	PDF Edit Service	2020
	Created a web service that lets you seamlessly combine, edit, and update multiple PDFs together using puppeteer, in typescript on node.	
Tool Experience	Primary Languages: Typescript, Python, JavaScript, C#	
	Development Skills: Algorithms, Agile, Continuous Integration, Object Oriented Design, Unix, Linux, Test Driven Development, Functional Programming, Mentorship, Project Design, UML	
	Databases: MongoDB, Postgres, Elasticsearch, MySQL, SQLServer	
	Web Libraries: React, Express, Redux, Storybook, Jest, jQuery, D3, Flask, Django, NGINX, .NET Framework, Node, Durandal, AmCharts	
	Containerization Tooling: Docker, docker-compose, Kubernetes, Tilt, Helm, Minikube	
	Cloud Tooling: Helm, AWS, Azure	