Aaron Yong   Email: hello@aarony.dev
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Summary: An independent software contractor with 10 years of consulting, UX, design, mobile and web development experience, able to work in Edmonton, AB, Canada or remotely.

Work Experience

Software Architect (Contract)   August 2021 – May 2023
Alberta Motor Association, Edmonton & Remote
- Planning, development, & architecting of a Flutter mobile app (75% coverage), CI/CD
- Developing an ASP.NET Core API backend, integrating with internal and third-party APIs
- Planning & execution of a seamless migration of old users to the new app with no downtime
- Proposing & guiding implementation of Agile processes for in-house mobile app development

Consultant (Contract)   December 2020 – May 2021
DevFacto Technologies, Edmonton & Remote
- Security & feature enhancements to CakePHP (PHP) & MySQL backend application
- UI enhancements & bug fixes using HTML, JS, CSS
- Participation in Kanban process to balance technical debt and new functionality

Independent Software Contractor   July 2021
IronSight, Edmonton   April – July 2020
- Plan & implement proof-of-concept for ETL pipeline in Azure Data Factory
- Enhancements to existing ASP.NET Core (C#) & MS SQL backend application

Chief Technology Officer   April 2019 – January 2020
Helm, Calgary & Edmonton
- Hired and mentored a Scrum-based internal software development team
- Migrated development and design work from a digital agency to our in-house team
- Promoted TDD, reaching 60+% code coverage in both Python and JavaScript in under 6 months
- Architected, developed, and maintained a Python (Django) and VueJS-based web application, powered by AWS (EC2, RDS [PostgreSQL], CloudFront, S3, Lambda) and CloudFlare
- Developed Helm's CI/CD pipeline in GitLab in 1 month, streamlining Helm's feedback loop
- Built integrations with Xero, QuickBooks Online, LaunchDarkly, Postmark, Stripe, Intercom.io

Consultant   January 2017 – April 2019
DevFacto Technologies, Edmonton
- Led a successful 60-day project to bring a start-up's product to market, leading to a 1.5-year business relationship with DevFacto
- Architected, implemented and maintained custom, mobile-responsive C# (ASP.NET Core) and PHP (CakePHP) web applications backed by Microsoft SQL Server, MySQL, Docker, and Azure, with integrations with various third-party APIs
- Promoted the adoption of Docker and container orchestration tools within the organization
- Designed, implemented, and maintained iOS & Android mobile apps using Swift and Java
- Created mock-ups and prototypes of web and mobile projects using Sketch and Figma

Work Experience, continued

Developer
July 2014 – January 2017

Lift Interactive, Edmonton
- Unified and upgraded 2 internal, web-based applications in 6 months for a nation-wide occupational safety testing company with no downtime
- Assisted in the architecting, planning, and implementation of a custom eCommerce solution for a local grocery delivery company in under 12 months
- Developed and maintained custom, mobile-responsive Python (Django) web applications backed by PostgreSQL, Redis, Celery, and CloudFlare
- Deployed and managed Unix-based cloud servers on Digital Ocean and Linode using Ansible
- Developed native/hybrid iOS & Android mobile apps using Swift, Objective-C, Java and Ionic

Software Engineer Intern
May 2012 – August 2013

Intuit Canada, Edmonton
- Reduced implementation of SnapTax's mobile tax forms from 2 weeks to 3 days by refactoring its Objective-C codebase, updating to conform with iOS 7 guidelines
- Developed an XML conversion pipeline using XSLT for generating NETFILE .tax files
- Maintained and implemented views with C++ and Python for TurboTax Desktop
- Maintained TurboTax Online web service using JSP, XML, HTML, CSS, and JavaScript

Current Technical Skills

- Operating systems: Android, iOS, macOS, Windows, Unix
- Languages: Python, C#, Swift, Objective-C, Java, HTML5, CSS, JavaScript
- Cloud: AWS, Azure, Digital Ocean
- SaaS: Postmark, Stripe, Twilio
- Mobile: Flutter, BrowserStack, App Center, fastlane
- Back-end: Django, ASP.NET Core, nginx, Redis, REST, OAuth, TLS, DNS
- Front-end: VueJS, Webpack, HTML, ES6+, SASS, Bootstrap, Material UI
- Testing: PyTest, xUnit / JUnit
- Databases: PostgreSQL, Microsoft SQL Server, MySQL, SQLite, Core Data for iOS
- DevOps: GitLab CI, Azure DevOps, Netlify, Jenkins
- Source control: Git, GitLab, GitHub, Bitbucket, Azure DevOps
- Design tools: Figma, Sketch, Material Design

Education and Certifications

Certified Scrum Master   2019 – 2022
Scrum Alliance

BSc Computing Science – Specialization in Software Practice, IIP   2009 – 2014
University of Alberta, Edmonton
- First Class Standing, 4.0 GPA

Spoken Languages

- English
- Mandarin Chinese (intermediate)
- Japanese (beginner)

Volunteer Work

Ski Instructor   2019 –
CADS (Canadian Association for Disabled Skiing), Edmonton
- Assist in skills progression for children and individuals with disabilities
- Pro-bono CMS maintenance

Co-organizer   2019 –
Dev Edmonton JS/Python/Ruby Meetup, Edmonton
- Assist with event promotion on Slack, gathering guest speakers and sponsors
- Responsible for equipment set-up, recording, editing, and uploading footage to YouTube