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Objective: A software freelancer with consulting, UX, design, mobile and web development experience, seeking an opportunity to build compelling digital experiences.

Work Experience:

Chief Technology Officer   April 2019 – January 2020
Slick, Iterative Design Corp. dba Helm, Calgary & Edmonton
- Hired and mentored a Scrum-based internal software development team
- Led the migration of development and design work from a digital agency to an in-house team
- Collaborated with business partners on milestones, epics and backlogs using Clubhouse
- 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
- Recipient of Startup Calgary's "Alumni's Choice Award Winner" at Launch Party 2019

Consultant   January 2017 – April 2019
DevFacto Technologies, Edmonton
- Led a successful 60-day project to bring a start-up's web and mobile platform to market, which led 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, and Azure, with integrations with various third-party APIs
- Deployed and managed Unix-based cloud servers using Docker
- 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
- Collaborated with business analysts, designers and front-end developers on web/mobile UX

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
- Integrated web and mobile applications with third-party APIs, e.g. Postmark, Stripe, Twilio
- Developed OAuth 2.0 REST APIs for consumption by internal & third-party clients
- Developed native/hybrid iOS & Android mobile apps using Swift, Objective-C, Java and Ionic
- Collaborated with designers and front-end developers on web/mobile UX

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
- Collaborated in an Agile/Scrum environment

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, Linode
- 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, Jenkins, Azure DevOps
- Source control: Git, GitLab, GitHub, Bitbucket, Azure DevOps
- Design tools: Figma, Sketch, Material Design

Education:

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)

Volunteering:

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 –
EdmontonPy (Edmonton Python User Group), Edmonton
- Assist with event promotion on Slack, gathering guest speakers and sponsors
- Responsible for equipment set-up, recording, editing, and uploading footage to YouTube

Working Group Lead (Event Recording, Website)   2020 –
Dev Edmonton Society, Edmonton
- Find and coordinate interested parties contributing to Dev Edmonton Society initiatives