Tim **Baker**

FULL STACK SOFTWARE ENGINEER · SECURITY SPECIALIST

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"Security is always excessive, until it's not enough."

Education

UVIC(University of Victoria)   *Victoria, BC, Canada*

B.S. IN COMPUTER SCIENCE, SOFTWARE ENGINEERING OPTION   *2013 - 2018*

GPRC(Grande Prairie Regional College)   *Grande Prairie, AB, Canada*

DIPLOMA OF COMPUTER SYSTEMS TECHNOLOGY   *2011 - 2013*
- Attended on a ACAC soccer scholarship

Skills

Programming	Javascript, Node.Js, Python, Java, C/C++
Web - Frontend	React, Vue, NextJs, Redux, Mobx, Webpack, HTML5, CSS, SCSS
Web - Backend	Django with Python, Express with Node.JS, Laravel with PHP, Elastic Search
Mobile	React Native
Database	Postgres, MongoDB
DevOps	Docker, Cloud 66, AWS - Lambda, EC2, S3
Machine Learning/ AI	Python, TensorFlow, AWS Lex
Languages	English, Spanish (in progress)

Experience

Software Security Engineer   *Victoria, BC*

SHOP YOUR OWN MORTGAGE   *Aug. 2019 - Present*
- Daily monitoring of existing security systems and ongoing efforts to improve our stance
- Implemented company-wide endpoint protection and VPN usage
- Implemented company-wide phishing training
- Led a key migration of company database to AWS RDS to enable encryption of data at rest
- Led initiative to get the company compliant with the security requirements of a key financial 3rd party partner
- Built an AWS Lambda antivirus scanner for file uploads from our public portal
- Uncovered a severe vulnerability in an internal process and came up with a solution in minimal time. Worked with necessary internal members to mitigate and recover with zero data loss. Educated internal members on the vulnerability and enacted a new process to eliminate it.

Full Stack Software Engineer   *Victoria, BC*

SHOP YOUR OWN MORTGAGE   *Sep. 2018 - Present*
- Currently developing a NextJs server-side rendered website for our Australian branch with a Strapi headless CMS backend
- Led development of a real estate website built with NextJS, Typescript, Mobx and Mapbox frontend and a Node/Express, Typescript, and ElasticSearch backend (Currently in pre-release state)
- Built a new Node/Express + Typescript server that we are gradually developing to replace our legacy backend
- Built a pixel tracking system to gather analytics on how users interacted with our mobile app
- Developed an internal admin portal to increase efficiency of the mortgage team
- Led development of company mobile app using React Native and Redux to tie into our existing Laravel backend

Extracurricular Activity ────────────────────────

Certified Ethical Hacker   *Victoria, BC*
CERTIFICATION   *Aug. 2019 - PRESENT*
• Studying to prepare for EC-Council's Certified Ethical Hacker Certification

Security+   *Victoria, BC*
CERTIFICATION   *Dec. 2019 - PRESENT*
• Studying to prepare for Comptia's Security+ Certification

Hack The Box   *Victoria, BC*
MEMBER   *Aug. 2019 - PRESENT*
• Gaining practical experience in key hacking concepts and techniques by practicing on intentionally vulnerable sandboxed machines

Bear's Blooms   *Victoria, BC*
DEVELOPER   *Apr. 2019 - Oct. 2019*
• Helped a friend build the tech foundation for his now Vancouver-based flower subscription
• Inital application built on a Postgres, Django, and Vue stack
• Helped validate architecture, built authentication flow, and helped develop the initial Vue frontend

React Resume Website Template   *Chiang Mai, Thailand*
DEVELOPER   *Aug. 2017*
• Built a React-based resume website template (hosted on my github) to allow other developers to download and create their own by simply modifying a config file and uploading new images