

Taylor Petrychyn

Software Developer

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Skills

Frontend: Angular / React / ES6 / Webpack / Bootstrap / CSS / HTML
Backend: Golang / Java Spring / NodeJS / Python / MySQL / REST
Ops: Kubernetes / Jenkins / Consul / Nomad / Docker / CentOS
Other: Github / Agile / Jira / Crypto / E2EE

Experience

- Software Developer / Vivvo Application Studios** Sept 2017 - Present Regina, SK
- Designed complex processes to build brand new passwordless authentication technology inline with W3C DID specification
 - ◆ Built with Golang / Kotlin / Swift / Mariadb / Crypto / E2EE / Git
 - Built a RESTful api and AngularJS frontend to manage and distribute government documents
 - ◆ Built with Springboot / ES6 / AngularJS / Bootstrap / Mariadb / Git
 - Mentored junior developers on software patterns and tech stack
- Co-op Software Developer / GasBuddy** Jan 2017 - Apr 2017 Regina, SK
- Part of a team developing business management & analytics dashboard called Business Pages which went on to win CSP's 2017 Retailer Choice Best New Product
 - ◆ Built with NodeJS / Postgres / Webpack / Bootstrap
 - Parsed large amounts of data using Elasticsearch to build metrics
- Co-op Software Developer / iQmetrix** Jan 2016 - Apr 2016 Regina, SK
- Integrated internal and third-party APIs to pull data to an internal management dashboard
 - ◆ Built with NancyFX / MySQL / Backbone-marionette / Bootstrap
- Helpdesk Technician / University of Regina** Jan 2014 - Apr 2018 Regina, SK
- Diagnosed and resolved technical issues on Windows, MacOS, iOS, and Android devices
- Director / MSI Computer Camps** Jul 2011 - Present Regina, SK
- Led planning of annual 2-week summer camp; delivered lessons to kids on the fundamentals of Computer Science, game design, and web design
 - ◆ Taught HTML / CSS / Javascript / Python / Unreal Engine

Education

- Bachelor of Applied Science in Software Systems / University of Regina** Apr 2019 Regina, SK
- VP External Regina Engineering Students' Society 2015-2017

Awards

- Western Engineering Competition / 1st Place** Jan 2019 Winnipeg, MB
- Built Minesweeper and accompanying AI bot to solve it in 24 hours
- Canadian Engineering Competition / 3rd Place** Mar 2019 Waterloo, ON
- Programmed an AI to traverse and clean a 2D grid via commands sent to a RESTful API
- HackRegina / 1st Place - Twice** Winter 2019 Regina, SK
- Interfaced with Wolfram Mathematica to pull Tweets in a given area with occurrences of flu-like keywords to predict flu spread; built in 8 hours
 - Integrated DialogFlow and Twilio to allow a user to text a natural language command to our system while in remote locations

Projects

- Dyne - Regina** See all projects at petrychyn.dev
- Built a backend and mobile application to find food and beverage deals in the city of Regina
 - ◆ Built with React-Native / NodeJS / Koa / Mariadb
- Cryptocurrency**
- Built a blockchain to simulate a cryptocurrency for kids at MSI Computer Camp
 - Included a server to act as a node and a mining CLI to mine the block hashes
 - ◆ Built with Python / React / Bootstrap
- Smart Apartment Door**
- Integrated with Twilio to create a butler for my apartment buzzer system
 - When my apartment is dialed Twilio will respond with a DTMF signal to unlock the door
 - Integrated with IFTTT to enable Alexa to unlock the door

Interests

Emulation / Cryptography / Blockchain / Game Design / Running / Cooking / Runescape