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

Vivvo Application Studios / Software Developer   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

University of Regina / IT Support Helpdesk   Jan 2014 - Apr 2018   Regina, SK
➜ Diagnosed and resolved technical issues on Windows, MacOS, iOS, and Android devices

Gasbuddy / Co-op Software Developer   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

iQmetrix / Co-op Software Developer   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

MSI Computer Camps / Mentor   Jul 2011 - Present   Regina, SK
➜ Led planning of annual 2-week summer camp; delivered lessons to students on the fundamentals of Computer Science, game design, and web design
   ◆ Taught HTML / CSS / Javascript / Python / Unreal Engine

Education

University of Regina / Software Systems Engineering   Apr 2019   Regina, SK
➜ VP External Regina Engineering Students' Society 2015-2017

Awards

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

Western Engineering Competition / 1st Place   Jan 2019   Winnipeg, MB
➜ Built Minesweeper and accompanying AI bot to solve it in 24 hours

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 / Search "Dyne - Regina" on the Google Play Store
➜ 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 / cash.compcamps.com
➜ 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

Game Development / Blockchain / Emulation / Running / Weightlifting / Runescape