

JARED PATTISON

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SOFTWARE DEVELOPER

- Extensive experience guiding the end-to-end design and development of complex software products and services
- Outstanding analytical and problem-solving skills, self-motivated, fast-learner and passionate about technology and computer science fundamentals – Data Structures, Algorithms, Complexity, Databases, Object-Oriented Analysis & Design
- Recognized as an innovator and collaborator with a proven ability to lead, coordinate, manage and strategize toward the efficient completion of SDLC deliverables (Web Scrapers, Account Management System)
- Project Management Professional (PMP) and Certified ScrumMaster (CSM) proficient in Agile Methodologies

TECHNICAL PROFICIENCIES

Languages:	JavaScript, SQL, jQuery, JSX, JSON, XML, DAX, HTML, Shell scripting
Technologies:	React, NodeJS, REST, EJS, Ajax, CSS/Sass, OAuth, AngularJS, Django, TDD, Scrum, Kanban, Git, Babel, Jest, Enzyme, Handlebars, React native, Swagger, JSDoc, Socket.IO, Express, Travis CI, Heroku, AWS S3,
Tools:	Visual Studio, MS Word, Excel, Balsamiq, Confluence, Asana, GitHub, Expo, VIM
Databases:	PostgreSQL, MySQL, MongoDB
Operating Systems:	Windows, Linux, Mac

PROJECTS

STUDENT (Full-time coding bootcamp)

Oct 2018 – March 2019

Code Fellows | Seattle, WA

BuzzCard (Code 401: Advanced Software Development in Full-Stack JavaScript - final project)

- BuzzCard is a mobile application that allows users to exchange contact information, such as social media accounts, by scanning QR codes (two-dimensional barcodes). The application enables users to create a profile, choose what information to share, and a QR code is dynamically generated that can then be scanned by another user
- Modularized the code, implemented the navigation bar, and deployed the app to Google Play store

Technologies used: React Native, Expo, Redux, Babel

One-Bar (Code 301: Intermediate Software Development - final project)

- One-Bar is a SMS-based application that allows users in areas with limited mobile coverage to access vital information such as weather forecasts, hospital locations, restaurants, local trails, etc. Utilizing a Node.js server the application receives requests for information via text message (Twilio), makes API calls, parses data, and relays the information back to the user
- Integrated SMS notifications with the Node.js/Express server, parsed the results received from 3rd party APIs, and constructed responses to the user

Technologies used: Node.js, Express, Superagent, EJS, PostgreSQL, Twilio, Google Maps, Yelp, Darksy, Hiking Project, News API

cf-quick-start (Code 401: Advanced Software Development in Full-Stack JavaScript - mid-term project)

- cf-quick-start is a globally installed NPM package that generates starter code for one of four functioning Node.js projects (api-server, express server, React app, or socket server as well as tests and configuration files)
- Implemented file copying, CLI questions for the inquirer prompt, wrote unit tests, and performed user acceptance testing

Technologies used: Node.js, NPM packages (inquirer, fs, fs-extra), Jest

Packing Planner (Code 201: Foundations of Software Development - final project)

- Packing Planner provides a pre-populated, customizable, packing checklist based the climate the user will be travelling to and the activities they expect to do
- Developed save to/retrieve from local web browser storage, list constructor and prototypes, and picture carousel features

Technologies used: JavaScript, CSS, JSON, arrays

PROFESSIONAL WORK EXPERIENCE

TECHNICAL PROGRAM MANAGER

May 2016 – Dec 2018

University of Alberta | Edmonton, AB (Remote)

- Developed product roadmap for wellwiki.org, a central source of information of over two million oil & gas wells
- Conducted data analysis on unstructured data from various sources; documented, cleansed, transformed and modeled text files into a searchable MySQL database
- Developed product roadmap for cultrtoolkit.com, a suite of web scraping tools for search and discovery of social data
- Built and lead cross-functional, distributed development teams – interviewed, hired, and managed local and off-shore teams of up to five engineers
- Maintained product backlogs – Collaborated with sponsors to validate requirements, decompose requirements into epics and stories, and assign tasks to development team
- Documented use cases and test cases, created test plans, and executed test plan (regression and automated UI testing)

Key achievements:

- **Scaled Text Scraper** – Improved memory management by implementing multi-threaded message processing using Celery framework – Modularized application architecture, transforming existing multi-layered application into distributed architecture utilizing restful web services (Service Oriented Architecture, SOA)
- **Launched Image Scraper, from inception to production** – Extended Cultr Toolkit suite to include Image Scraper service providing social scientists with a single interface to search and discover image meta-data, match results to search keywords, and generate a CSV output file
- **Developed Account Management Module** – Lead the implementation of user authentication by encrypting credentials and provided a secondary authentication mechanism through integration with the Twitter Login API

Technologies used: Django, Postgres, Confluence, Asana, MS Word, Excel/Power Query, MySQL/phpMyAdmin, MediaWiki

PROJECT MANAGER

Aug 2008 – Aug 2015

Pattison Hydrovac Inc. | Edmonton, AB

- Managed full project life-cycles of various buried utilities projects for large oil & gas, pipeline, and utilities organizations such as Husky, Crescent Point, Enbridge, Gibsons, Sererus, Epcor, and City of Edmonton
- Gathered requirements, defined scope, created schedules and communications plans, analyzed risk, and established milestones for ground disturbance in multimillion-dollar pipeline and oil & gas projects
- Trained and led a professional self-organizing team of equipment operators and assistants, capable of working efficiently and safely with minimal supervision

Technologies used: MS Project, QuickBooks, MS Word, Excel

EDUCATION & TRAINING

Advanced Software Development in Full-Stack JavaScript Certificate

March 2019

Code Fellows | Seattle, WA

JavaScript ▪ MVC Architecture ▪ Object-Oriented & Functional Programming ▪ Data Structures ▪ HTML ▪ CSS

Certified Scrum Master (CSM) – Scrum Alliance

April 2017

Project Management Professional (PMP) – Project Management Institute

Dec 2016

Project Management Certificate

Dec 2016

University of British Columbia | Vancouver, BC

Project Charter ▪ WBS ▪ Scope Statement ▪ MS Project ▪ Critical Path ▪ EV ▪ EAC

Business Analyst Certificate

May 2016

Northern Alberta Institute of Technology | Edmonton, AB

Requirements Gathering/Analysis/Validation ▪ Process & Data Modeling ▪ SDLC ▪ UI Testing

Bachelor of Arts: Economics

June 2000

University of Saskatchewan | Saskatoon, SK