

# Patrick Eddy Software Developer

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## “Business Value” Solution Focused

The product or service your business creates should be making you money from the beginning.

## User-Experience Driven

Customers should love what you are offering, and should be frictionless when doing a high value activity (such as making payments).

## “Best Tool for the Job” Mentality

Whether it’s hybrid app technologies or forgoing development altogether, being paradigm and tool agnostic is extremely important for companies and developers in a fast-paced economy.

## Founder, Astero (2016 ~)

- Created an umbrella sole-proprietorship called [Astero](#) for freelance work and entrepreneurial endeavours.
- Developed Android/iOS application called [Phrase It](#) that helps language learners write and speak faster, more confidently, and more naturally in a second language.
  - **Problem:** when there are no or few native speakers around you, it is hard to practice speaking a language.
  - **Objective:** build a tool that allows writing, speaking, and collecting user sentences and build a language learning community from those people. Charge a fee for “Pro Version” that adds even more useful features.
  - **Port Mortem:** more users and feedback than I expected, but the time cost of marketing and delivering updates is more expensive than the revenue model allows.
  - **Tools:** the Ionic framework was almost exclusively used to create both iOS and Android applications using web technologies AngularJS, JavaScript, HTML, and CSS (hybrid app). The [WaniKani](#) JSONP Api was also used to fetch and import Japanese vocabulary words.

- Developed Android/iOS application called [Panda Wallet](#) that helps users in a cash economy keep track of their expenses.
  - **Problem:** while studying abroad in Japan, it was difficult to keep track of all of my coins and cash.
  - **Objective:** build a simple tool that is currency agnostic helps keep track and analyze spending.
  - **Post Mortem:** no big expectations for people to purchase or use. This was a tool made for myself and my significant other, and an opportunity to build a project with React Native and Expo.
  - **Tools:** React Native and Expo using JavaScript and Node for both Android and iOS applications.

### Software Design Engineer at Velosys, LLC (2015 - 2016)

- Promoted from Quality Assurance Engineer to Software Design Engineer.
- Developed a customer-facing native Android application called [PensterDocs](#) in Java that helps hundreds of pet owners effectively communicate their medical records and other information to veterinarians.
  - **Problem:** when it comes to veterinary records, each veterinary clinic manages their own paperwork.
  - **Objective:** facilitate communication between veterinarian and pet owners and allow pet owners to keep all veterinary records with them at all times.
  - **Tools:** Java and Android for the mobile app, Facebook Parse SDK was used for the backend and MongoDB database, and the Google Maps Android SDK for the services screen.
- Developed a user-friendly web tool to export land brokerage companies' property metadata in [Land Map Solutions](#) (a Velosys product) to Excel spreadsheets for their use internally.

### Quality Assurance Tester at Velosys, LLC (2012 - 2015)

- Facilitated developers with software application development by suggesting new features, pitching UI or logic changes, and also locating logic errors, runtime errors, and compilation errors.
- Participated in the software application development process, including the Agile Development, daily scrums, and user stories that were made into basic functionality tests for every application (i.e. [Booklet by Velosys](#)).

## Education

Bachelors of Science in Computer Science from University of Washington. Studied abroad at Tokyo Institute of Technology in Tokyo, Japan (Spring, 2017) doing research on an [app recommendation system](#) using Machine Learning techniques. Speak conversational Japanese.

## Technologies

- Mobile
  - React Native
  - Ionic Framework (hybrid apps)
  - Android / Java
  - iOS / Swift
- Web
  - JavaScript
    - React
    - jQuery
    - Angular
    - Node
    - Express
    - Meteor
    - Phaser
  - Ruby On Rails
    - Ruby
    - Coffee Script
  - Middleman
  - Java Maven
  - HTML/CSS3
    - Bootstrap
- Database / Storage
  - NoSql (MongoDB)
  - SQL (MySql, SQLite)
- Source Control
  - Git
  - TFS
- REST APIs
  - Ruby on Rails
  - Express
  - Java (Maven)