**Aldrin F. Abastillas**

[*aldrinabastillas.com*](http://aldrinabastillas.com/)/[](mailto:aldrin.abastillas@gmail.com) / *[](http://linkedin.com/in/aldrinabastillas)* / *[](http://github.com/aldrinabastillas)* / (856) 340-0164

|  |
| --- |
| **Work Experience** |

**Application Engineer / Full-Stack Developer:** Epic SystemsAug 2012 – June 2016

* Lead consultant on all outpatient applications to one of the 10 largest nonprofit health systems in the nation
  + Reduced population health data collection time from 3 weeks to 3 days by refactoring inefficient loops, handling timeouts, and writing scripts to calculate optimal server settings
  + Reduced testing time from 2 days to 6 hours by automating end-user workflows and data collection
  + Developed a workflow to automatically send flu vaccine reminders to millions of patients, earning their physicians millions of dollars in federal incentive money
* Full-stack developer for customer support management and travel booking web apps
  + Developed new features and bug fixes using ASP.NET, JavaScript, SQL, HTML and CSS

|  |
| --- |
| **Development Projects** |

**aldrinabastillas.com** Oct 2016 – Present

* Personal portfolio website developed in both ASP.NET MVC on Azure and Angular, Express, and Node on AWS
  + Experiment to classify Billboard Hot 100 songs using Microsoft Machine Learning Studio and Spotify APIs
  + Audio visualizer based on the Lorenz System of equations using the Unity3D game engine

**Autograder:**Epic Systems Mar 2015 – June 2016

* Framework to build grading rubrics and to automate grading of end-user training projects
* Development lead and backend developer for the core business logic module
  + Rewrote internal core legacy code for a customer-facing release along with group members
  + Prioritized and delegated R&D and bug fixes to 4 developers and 2 QAers along with other modules
* Development lead and full-stack developer for all modules’ frontend code
  + Wrote UX surveys, designed mockups, and developed UI using ASP.NET, JavaScript, HTML, and CSS

**CustomerPulse:**Epic Systems Sept 2014 – Oct 2015

* Co-created a web app aggregating physician efficiency KPIs from many data sources into a single dashboard
* Scrum team product owner
  + Designed and triaged new functionality, ran Scrum meetings, and evangelized app to new users
* Scrum team full-stack developer
  + Created the app using ASP.NET MVC, MSSQL, JavaScript, jQuery, Bootstrap, HTML, and CSS

**skinMD:**University of Pennsylvania Aug 2011 – May 2012

* iOS and Android app to identify melanoma and basal cell carcinoma using the device’s camera
* Created the iOS application to take and send images of a user’s skin and to receive the algorithm’s prediction
* Developed the MATLAB image analysis and machine learning algorithm along with group members

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **Skills** |   **Web Development**   * ASP.NET MVC, Angular, Express, Node, HTML, CSS, Azure, AWS   **Backend Development**   * C#, JavaScript, SQL, NUnit   **Workflow**   * Scrum, Git   **Prior Experience**   * Python, Java, C++, C, Objective-C, MATLAB, MUMPS | |  | | --- | | **Microsoft certifications** |   **Solutions Associate in Web Applications** Oct 2016 – Present   * ASP.NET MVC 5   **Professional Specialist in Visual Studio** Aug 2016 – Present   * Programming in C#   **Awards**  **Silver Medal:** HackerRank.comFeb 2017   * Scored in top 5% in a 2-hour, 5 question algorithms contest   **Bronze Medal:** HackerRank.comJan 2017   * Scored in top 20% in a 7-day, 7 question algorithms contest |

|  |
| --- |
| **Education** |

**University of Wisconsin-Madison:** Professional Capstone Certificate July 2014 – May 2016

* **Major:** Computer Science; **GPA:** 3.60 / 4.00
* **Courses:** Algorithms, Artificial Intelligence, Databases, Data Structures, Operating Systems

**University of Pennsylvania:** Bachelor of Science in Engineering Sept 2008 – May 2012

* **Major:** Bioengineering; **Minor:** Nanotechnology; **GPA:** 3.22 / 4.00