



Mark Dewey

- Developer - Instructor - Explorer -



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English



BACKGROUND



ABOUT

Hailing from Pennsylvania, Mark has journeyed to Florida in 2014 to tackle life's next chapter. He loves a challenge and strives to create and develop things that helps people have better lives. Mark believes the right software, information, and guidance, can change the world. When not behind a keyboard, he likes to enjoy the sunshine in wide open spaces.



WORK EXPERIENCE

• Core Instructor, Suncoast Developers Guild

Oct, 2017 - Present

Suncoast Developers Guild is a community-driven, not-for-profit, code school.

- Developed 12-week Full Stack curriculum, focusing on modern practices, and technology
- Taught Full Stack engineering course using HTML, CSS, JavaScript, Ruby, React, .NET and SQL
- Course topics included, but not limited to: .NET (C#), React, OOP, Functional Programming, WPF, LINQ, ASP.NET MVC, Razor, Entity Framework, HTML, CSS, JavaScript, JQuery, Relational Database (SQL), and testing
- Created custom tools for making the classroom more efficient, including: template generators, chrome extensions, and custom shell scripts.

Back End Engineering with .NET Instructor, Full Stack Engineering Instructor, The Iron Yard

Aug, 2016 - Oct, 2017 ⌚ 1 year 1 month

The Iron Yard offered an immersive web development course to train non-technical individuals to become software engineers.

- Developed 12-week .NET curriculum, focusing on modern practices, and technology

- Course topics included, but not limited to: .NET (C#), OOP, Functional Programming, WPF, LINQ, ASP.NET MVC, Razor, Entity Framework, HTML, CSS, JavaScript, JQuery, Relational Database (SQL) and testing
- Taught crash courses to the community on various topics such as .NET Core, Neo4j, .NET Framework, and Node.JS
- Created custom tools for making the classroom more efficient, includes: template generators, chrome extensions, and custom shell scripts.
- Taught Full Stack engineering course using a flipped classroom that taught HTML, CSS, JavaScript, Node.Js, Express, Ruby, React, Java, .NET, and SQL

● Senior Lead Developer, Exzeo - TypTap

Aug, 2014 - Present

Exzeo is an insurance software incubator formed to help its parent company, Homeowner's Choice Insurance. While at Exzeo, lead a team of developers and non-technical staff to be more agile and goal-oriented, while developing prototypes. Worked on 3 distinct projects: TypTap, AtlasViewer, and VPET

- (TypTap) Implemented an API first mobile website to create an easy to use method of purchasing & managing flood insurance in Florida
- (TypTap) Led design discussions with subject-matter experts concerning features and project road map
- (TypTap) Designed, developed, tested and maintained API endpoints that were used by other developers
- (TypTap) Acted as a consultant on tech stack choices such as hosting environments, CI servers, source control, and other development process tools
- (TypTap) Technologies used - Node.js, Jasmine, MongoDB, SQL, Express.js, Handlebars.js, JQuery, Bootstrap, Angular, Azure, and AWS
- (AtlasViewer) Led team in creating a GeoJSON data mapping application for subject-matter experts
- (AtlasViewer) Created an administrator tool to view and manage analytically data.
- (AtlasViewer) Created an API for easy integration with other systems
- (AtlasViewer) Added a TOTP authentication system to secure user access
- (AtlasViewer) Technologies used - Node.js, Express.js, Mapbox, JQuery, Foundation, Passport.js, Azure, MongoDB, GeoJSON, Postgres, Backbone.js, React.js, and Twilio API
- (VPET) Designed, created, tested, and maintained a suite of app and supporting infrastructure to collect, manage, and analyze data for the state of Florida
- (VPET) Converted prototype to production ready system
- (VPET) Created a Lambda Architecture to handle big data concerns, to speed up analysis, and support administration querying
- (VPET) Created crowd sourcing information gathering tools to speed up data collection
- (VPET) Created tools and processes to ensure the data was stored in a secure, highly scalable, and easily exported format
- (VPET) Technologies used - .NET MVC 5 (C#), Node.js, Express.js, Google Maps, JQuery, Bootstrap, Owin, Angular, Web API, Azure, DocumentDB, and MongoDB

Chief Technical Officer & Lead Developer, Stacktive

Nov, 2014 - Mar, 2016 ⓘ 1 year 3 months

A startup to create a marketplace to have one pass for multiple gyms

- Rescued a failed, time-sensitive project
- Fixed a failed code base
- Set up a development process to more easily create features and iterate faster
- Supported mobile app development
- Worked with a diverse team with a focus on getting tasks complete
- Technologies used - .NET (Webforms and MVC), Entity Framework (Database First), MSSQL, JQuery, HTML5, CSS3, Rackspace, Phonegap, and Stripe

Lead Software Engineer, Problem Solutions

May, 2011 - Jul, 2014 ⌚ 3 years 2 months

A key member of the "tiger team" to jump-start new ideas or save failing projects. Design, developed, and maintain projects for a variety of customers, encompassing commercial and government.

- (Interoperable Performance Assessment [IPA]) - developed a website & API to display and transfer simulator training data for the US Marines
- (IPA) Worked with end users & designers to figure out what key data points needed to be displayed in a mobile friendly way
- (IPA) Worked with subject-matter experts to develop best practices for storing and transfer group simulator data
- (IPA) Worked with U.S. Army Research Lab to create functional and useful prototypes
- (IPA) Develop code libraries and packages to work with APIs to plug into other system (simulators, websites, LMS, and AI tutors)
- (IPA) Technologies used - MVC4 (C#), Google Graph API, JQuery, MSSQL, HTML, and CSS
- (Exam Builder [EB]) - converted an existing, high traffic site from ColdFusion to Python
- (EB) - Organized and led a small team to quickly save a failing project
- (EB) Used TTD to prohibit regressions
- (EB) Technologies used - Python, Django, Jinja2, HTML5, ReportsLabs, Oracle, HTML5, CSS3, and JQuery
- (Learning Experience Manager [LEM]) - led a team of developers to create a NextGen learning management system that tracked all types of learning
- (LEM) Utilized Open-source learning schemas (Experience API, and Open Badges) to create an open ecosystem
- (LEM) Demonstrated and presented the project with clients, potential clients, and industry leaders
- (LEM) Technologies used - ASP.NET MVC 4 (C#), Entity Framework, MSSQL, JQuery, Azure, Knockout.js, and Azure



SKILLS

Languages

C# Node.js Python CSS Javascript HTML Java Ruby Go VB SQL
Cypher & Neo4j PHP ColdFusion C, C++ Ada

Frameworks & Libraries

ASP.NET MVC ASP.NET Web API .NET Core MVC .NET Core Web API Entity Framework
Express.js Docker Handlebars.js Pug Vue.js Angular 1.X React.js Backbone.js

Knockout.js MongoDB Bootstrap Foundation Social Media APIs (Facebook, Twitter, LinkedIn)
Google Apps (Maps, Plus, Mirror API) Sass & Scss TypeScript NUnit & XUnit Jasmine
Chrome Extensions

Concepts

Functional Programming Object Oriented Programming RESTful API GraphQL
Mobile First Design API First Design Test Driven Development
Requirement Driven Development Agile & Scrum Design Thinking Relational Databases
NoSQL Databases Single Page Apps Dependency Injection Big Data Cloud Computing
Source Control Continuous Integration Design Patterns Disciplined Entrepreneurship

Software Tools

Visual Studio (Code, 2017, 2015) Light weight editors (Atom, Sublime) Powershell & Terminal
SQL Management Studio Webpack Gulp Browser Sync Npm & Yarn Slack
Jira, Trello, Asana Git Github Eclipse Vim Travis CI

Databases

MS SQL PostgreSQL MySQL MongoDB CouchDb Oracle Neo4j DocumentDb SQLite

Deployment Environments

Azure AWS Rackspace Go Daddy Zeit Surge Docker



EDUCATION

Computer Science, Bachelor, University of Pitt at Johnstown

Aug, 2007 - May, 2011

3.7

Data Structures Algorithms AI Web Programing .NET OOP Java



AWARDS

Eagle Scout Boy Scouts of America

Awarded on: May 05, 2006



INTERESTS

StartUp Weekends

Winner: 2014 Shenandoah Valley Startup Weekend Participant: 2014 Global Startup Battle, Tampa.

Music

Taking Coursera.org classes