

## Summary

Self-driven and motivated Software Engineer with extensive experience in software development, project management, and team leadership. Skilled in enhancing application performance, streamlining workflows, and improving user experience.

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## Professional Experience

### **Empyrean Benefits Solution, Houston, TX**

*Sr Front End Web System Developer*

*April 2019 – Present*

- Currently I am lead developer of the main in-house application used by all business analysts and Tech Directors for all client configurations.
- My main role involves porting the legacy dotnet application to a modern front-end framework; this includes the creation and or updating of SQL database tables, adding APIs and RESTFUL request handlers in C# dotnet entity framework as well as maintaining the Node-Express proxy-server.
- Manage multiple projects simultaneously, including “dockerizing” the JS web client app and NodeJS proxy app, to enhance developer experience, onboarding junior and peer developers as well as training offshore talent in our codebase and best practices.
- Conduct ongoing research and collaboration with Tech Directors to identify pain points within the application and enhance UX/UI, reducing operation times and improving efficiency.
- Recently delivered a previously delayed feature ahead of schedule by delineating value streams and managing development independently. My task was to identify and create the infrastructure needed to support a new configuration feature. This included everything from mocking up a preview to architecting the feature using Visio creating the new SQL tables and their respective APIs and request handlers as well as the entire front-end feature which involved a complex selection/interaction between the tables.
- My current focus is streamlining existing workflows and enhancing functionality and performance.

*Front End Web Developer*

*August 2016 – April 2019*

- Developer on applications in multiple frameworks (C#, PHP, python, JS, NativeScript, Vue, AureliaJS).
- Developer on the first company mobile application created (EmpyreanGO) built in Vue and NativeScript.
- Created an application for onboarding employees from multiple companies built in AureliaJS, integrating access for HR and customer service.
- Focus was developing my programming skills as a well-rounded software engineer.

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## Education

# Boaz Blake

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<https://boazblake.github.io/identity/#!/>

## **The Iron Yard, Houston, TX**

*Front End Web Development*

*February 2016 - April 2016*

- Intensive 3-month course on HTML, JS and CSS with an emphasis on SOLID principles of OOP.
- I supplemented my learning with David J. Malan's Harvard CS50 course as well as reading everything I can by Douglas Crockford, Alan Kay, and studying Functional Programming and Lambda-calculus through Brian Lonsdorf FP course and Bartosz Milewski category theory course.
- Built a fully functioning responsive Event organizer using ReactJS and MongoDB.

## **University of Houston, TX**

*PhD in Human Space Exploration & Exercise Immunology (Not Completed)*

*September 2011 - May 2014*

- Conducted research on gravitational forces and exercise's role in epigenetic inheritance under NASA HRP Grant #NNX12AF04G.

## **James Madison University, Harrisonburg, VA**

*Bachelor of Science in Sports Medicine, cum laude*

*August 2007 - May 2010*

- Focused on prevention and treatment of athletic injuries.

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## **Additional Experience**

### **Top Gun Range, Houston, TX**

*Tactical Firearms Instructor & Range Safety Officer*

*January 2016 – August 2016*

- Educated on gun ownership and usage, focusing on tactical applications and safety.

### **University of Houston, TX**

*PhD Research Assistant*

*September 2011 - May 2014*

- Taught undergraduate courses in biomechanics, statistics, and health and fitness. Conducted research on spaceflight effects on the nervous system.

### **Israel Defense Forces, Israel**

*Anti-Terrorist Officer/Bodyguard*

*October 2000 – December 2005*

- Served as a Paratrooper and provided close protection services in high-risk environments.

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## Technical Skills

- Proficient: JavaScript, HTML, CSS
- Frameworks: Aurelia, React, Vue
- Advocate for minimalist dependencies, particularly with Mithril.js

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## Additional Information

- Fluent in Hebrew and English.
- Strong background in functional programming and category theory.