Benjamin Protus

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SOFTWARE DEVELOPER

TECHNICAL EXPERIENCE

Software Programmer   El Segundo, CA

TechEmpower   June 2019 – July 2020

- Engineered intranet improvements to increase billing efficiency 58% and productivity for company members by 33%, involving full-stack development using **JavaScript**, **HTML,** and **CSS/Less,** as well as **Java** and **Microsoft SQL Server**
- Implemented front-end and full-stack applications for client companies, using technologies including **Java**, **Docker**, **AWS**, **Terraform**, **Svelte**, and **.NET Core (C#)** to improve user interaction and increase scalability for global audiences
- Developed/deployed a complete blog application in rapid development cycles, with a **React Native** frontend and a **Django (Python)** REST API, hosted on **AWS** using **Terraform** to create and document the application's infrastructure

Website Development Leader   Los Angeles, CA

Tinco Sheet Metal Contractors   May 2018 – May 2019

- Led the company's website redesign using the scrum framework and organized content to create an improved, easy to navigate website for Tinco, providing the latest user-interfacing techniques for desktop and mobile website users
- Engaged dozens of high-volume perspective clients using various online Call-to-Actions, as well as by creating several associated social media accounts that direct viewers to the company website
- Increased average monthly website traffic by 1200% and daily impressions from 4 to 400 using search engine optimization (SEO) combined with the company's increased social media presence

Software Engineer Internship   Noida - New Delhi, India

VidyaTech Solutions   May 2017 – July 2017

- Interfaced with **Unity** and **C#** to create an application for the Microsoft HoloLens as well as document, present, and instruct the company's software engineers on best development practices for the augmented reality technology
- Queried data in a **Microsoft SQL Server** database using the company's database driven REST API for the application's backend infrastructure

PROJECTS

Portfolio

https://www.benprotus.com

- Architected a portfolio website built using **React.js**, **JavaScript**, **HTML**, and **CSS** to create a responsive frontend
- Published the single-page application (SPA), using **AWS S3**, **IAM**, **Certificate Manager**, and **CloudFront**

Nebula VR

https://nebulavr.github.io/

- Created a virtual IDE experience with a custom language designed to allow VR developers to code in virtual reality
- Programmed the application's frontend with **Unity** and **C#** which connects to the application's core language, NebulaLang

Pycante

https://github.com/BenProtus/Pycante/

- Developed a programming language compiled in **JavaScript** to make learning the fundamentals of programming fun
- Designed the language grammar, syntax, and semantics, as well as rigorous tests for each component of the compiler

EDUCATION

B.S. in Computer Science   Loyola Marymount University

Minor in Theater Arts • Dean's List   Los Angeles, CA