

Benjamin Protus

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SOFTWARE DEVELOPER

TECHNICAL EXPERIENCE

Software Programmer

El Segundo, CA

TechEmpower

June 2019 – July 2020

- 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 scalability for world-wide audiences
- Engineered intranet improvements to increase billing efficiency and productivity for company members, involving full-stack development using **JavaScript**, **HTML**, and **CSS/Less**, as well as **Java** and **Microsoft SQL Server**
- Developed a complete blog application with a **React Native** frontend that communicates with 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 and organized content to create an improved, easy to navigate website for Tinco, providing the latest front-end user-interfacing techniques for Tinco desktop and mobile website users
- Increased average website traffic and daily impressions by ten-fold using search engine optimization, and engaged new clients for the company using the contact page as well as their associated social media accounts

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://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**, **Route 53**, and **CloudFront** to host the static website

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 • Los Angeles, CA

Minor: Theater Arts; Dean's List