

# ANDRÉS BARRERA

## SOFTWARE ENGINEER

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## EDUCATION

**BSE in Computer Engineering**

Purdue University | 2022

## FEATURED

## CERTIFICATIONS

Udemy Next.js & React - The Complete Guide

MongoDB Python Development

AWS Technical Essentials

Certification

Udemy Golang Course Certification

## LANGUAGES

C & C++, Python, JavaScript, HTML & CSS, Golang, PHP, Java, Assembly, Verilog, MATLAB

## TOOLS

Git, Node.js, React, Next.js, Amazon Web Services (AWS), MongoDB, Prometheus, Grafana, Selenium, Chrome Extensions, RTI DDS, VBA, NoSQL, JSON & API Development, Docker, Wix, Figma, Photoshop, and many more!

See my [Manifesto](#) for more information.

## WORK EXPERIENCE

June 2022 - July 2023

**Software Engineer**

*Fathom5* | Austin, TX, USA

Defense Software Modernization: Modernizing the US Navy's tactical weapons system. Read the [Case Study](#).

EV Systems Architecture: Designing R&D circuits and firmware for the next generation of electric vehicles. Read more at the preceding link. Read the [Case Study](#).

**Skills:** C++, Python, Node.js, JavaScript, Docker, Prometheus, Grafana, RTI DDS, GitHub, Linux, Draw.io, KiCAD, Beagle Board, Arduino, Linux, Texas Instruments, Nordic, Solidworks, Draw.io, Adafruit, GitHub

August 2021 - December 2022

**Frontend Engineer**

*Alpen Aerial* | Colorado Springs, TX, USA (Remote)

Building website and brand content for a startup which takes drone footage to new heights. Read the [Case Study](#).

**Skills:** C++, Python, Node.js, JavaScript, Docker, Prometheus, Grafana, RTI DDS, GitHub, Linux, Draw.io, KiCAD, Beagle Board, Arduino, Linux, Texas Instruments, Nordic, Solidworks, Draw.io, Adafruit, GitHub

## FEATURED SIDE PROJECT

October 2022 - Current

**Shotglass Jobs**

Changing the employment industry with a job board that will apply for you. Read the [Case Study](#).

**Skills:** JavaScript, Node.js, HTML, CSS, Python, Selenium, Node.js, AWS Route53, AWS CloudFront, AWS Cognito, AWS DynamoDB, AWS Lambda, AWS API Gateway

## VOLUNTEER EXPERIENCE

May 2023 - Current

**Software Engineer | President**

*Hispanic Hackers* | Austin, TX, USA

Leading and designing content for a non-profit dedicated to elevating the Latino tech community. Read the [Case Study](#).

**Skills:** Leadership, Next.js, React, HTML, CSS, JavaScript, Adobe Photoshop

See my [Portfolio](#) for more information.