ANDRÉS BARRERA

SOFTWARE ENGINEER

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EDUCATION

BSE in Computer Engineering
Purdue University

FEATURED CERTIFICATIONS

MongoDB Python Development Track

AWS Technical Essentials Certification

Udemy Golang Course Certification

Boy Scouts of America Eagle Scout

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

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

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

See my Portfolio for more information.