ANDRÉS BARRERA

Software Engineer With Ten Years of Programming Experience

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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, Dart, Golang, PHP, Java, Assembly, Verilog, MATLAB

TOOLS

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

See my Manifesto for more information.

WORK EXPERIENCE

chkm8

December 2023 - Current

Software Engineer (Part-Time Contractor)

Developing web applications and supporting backend infrastructure for a startup dedicated to creating a safer digital dating scene.

Skills: AngularJS, SassCSS, Bootstrap, WordPress, Flutter, Dart, Java Spring, Figma, HTML, CSS, JavaScript, Java, YoastSEO, Semrush

HISPANIC HACKERS

May 2023 - Current

President | Software Engineer

Leading and developing content for a non-profit dedicated to elevating the Latino tech community. Read the Case Study.

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

FATHOM5

June 2022 - July 2023

Software Engineer

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 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

ALPEN AERIAL

August 2021 - December 2022

Frontend Engineer (Contractor)

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

Skills: HTML, CSS, JavaScript, jQuery, Python, Wix, Adobe Photoshop, Final Cut Pro
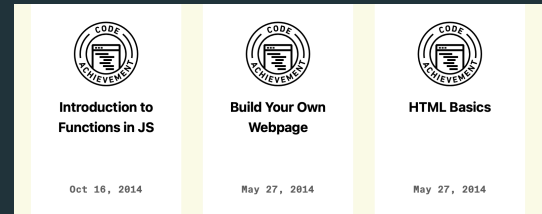
Full Stack Engineer with 10 Years Experience

I have devoted my educational and professional life to developing efficient code, designing beautiful content, and engineering next generation products.

In middle school and high school, I would dedicate my recess time to developing websites and creating programming tutorial videos for my classmates.

Since then, I have continued my path of engineering expertise with professional experience in software, firmware, and cloud orchestration. As an engineer I am passionate, ambitious, and own every one of my projects.

I graduated from Purdue University with a Bachelor's of Science in Computer Engineering.

I got my programming start through Codecademy's programming courses in HTML, CSS, JavaScript, and Python.

My skill set ranges from frontend web development to system-on-chip firmware. I have over 10 years experience in major programming languages and a formal education in Computer Engineering.

Learn More

To learn more about me, check out my personal Portfolio and Manifesto.