

Blake Karbon

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SUMMARY OF QUALIFICATIONS

- Professional experience in responsive Full Stack web application development including technologies such as:
 - Java, Javascript, CSS, HTML, PHP, MySQL, MongoDB, NodeJS, Express.js, D3.js, JQuery, and many more client requested APIs.
- Expansive Full Stack development from device firmware to cross platform responsive and artistic web interfaces.
- Professional development experience in many different development environments and operating systems including many flavors of Unix shell and version control systems such as GIT.
- Professional experience working in large groups with leadership and team roles as well as communicating directly with clients for the group.
- Expansive personal experience and education including many personal projects. Some are listed below.

EDUCATION

Bachelor of Science in Computer Science
University of Northern Colorado, Greeley, CO

Expected: May 2026

RELATED EXPERIENCE

Software Engineer, Full Time

OBICool LLC, Parker, CO

May 2016-November 2016

- Wrote full-stack solution allowing clients to efficiently and securely monitor their two-phase emersion cooling tanks.
- Developed hardware and firmware for monitoring tank state providing a solution that could properly function in Novec fluid.
- Aided in development of immersive cooling tanks including the final assembly and presentation of our first example providing a working device to show investors.
- Spoke directly with investors through presentations and meetings granting the development team and investors a closer and more efficient working relationship.

Software Engineer, Full Time

Blue Calf Consulting, Parker, CO

April 2015-May 2016

- Developed a Full-Stack solution connecting to the clients existing MySQL database allowing them to securely automate their data analytics and company inventory management anywhere from a responsive web interface.
- Developed a Front-End viewer for clients allowing them to view a live feed of company inventory.
- Set up and managed company servers allowing us to securely host services in a realistic environment and present results to our clients.
- Learned new technologies and API's during projects allowing us to meet clients specific design requests.
- Experience in an agile project workflow and development using Jira.

Notable Personal Projects:

- A personal web portfolio: <https://balakekarbon.github.io/>
- Integrated Fortran, COBOL, and C together to interoperate in Web Assembly with the ability to call methods between each other and then provided a development container and demos for others to use:
<https://github.com/BalakeKarbon/ancientwasm>
- Designing a 16-bit serial computer in 2N2222 and 1N4148 DTL logic much like the late 1960s.
- Developing an entirely self-hosted and auditable FPGA Linux system using an entirely open-source toolchain.

ADDITIONAL EXPERIENCE

Heavy Duty Diesel and Agricultural Technician, Full Time

Mayberry Farms, Nunn, CO

April 2023-Current

- Developed out of the box on the fly solutions to issues in machinery and equipment to prevent company downtime.
- Designed electrical solutions to fix or add functionality on equipment.
- Rebuilt engines, pumps, cylinders, and related equipment to keep the operation running efficiently.
- Restored obsolete old equipment which provided a much cheaper solution in contrast to buying new equipment.

Classic Car Technician, Full Time

Conquest Classic Cars, Greeley, CO

October 2022-April 2023

- Known as the go-to person for resolving complex, intricate, and otherwise unseen problems, providing a unique and important role in the team.
- Developed solutions when no parts were available to repair a project allowing customers to keep rare and obscure vehicles on the road.
- Lent tools and assistance to other technicians when available in order to collectively reach our client's needs quicker and more efficiently.
- Worked directly with clients in order to better understand their desired outcomes for each project.
- Translated for Spanish speaking clients allowing a larger customer base in the area.