

Jacob Barnes

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SENIOR SOFTWARE ENGINEER

Experienced software developer with extensive expertise in designing, developing, testing, and deploying software solutions using agile methodologies and a wide range of technologies. Committed to continuous learning, integrity, respect, and humility. Proven ability to lead full-stack projects that deliver scalable, high-impact solutions aligned with business goals.

PROFESSIONAL EXPERIENCE

WSU Tech 08/2024 – Present

Adjunct Professor

- Spring 2025 - ML and AI fundamentals
- Fall 2024 - Network 1/2

VERIZON, Remote 11/2019 – 04/2025

Sr Software Engineer – Full Stack

- Designed, implemented, and maintained network data analysis features, APIs, and data visualizations, drastically improving the customer's ability to improve network security and reliability.
- Spearheaded senior-level responsibilities throughout the entire SDLC.
- Demonstrated proficiency in utilizing an extensive technology stack, including JS, AngularJS, Java, JSP, CVS, Cytoscape.js, Plotly, Highcharts, etc.

UNITED LAUNCH ALLIANCE, Hybrid 04/2018 - 11/2019

Software Engineer – Full Stack

- Mentored interns and assumed a short-term project management position, successfully leading a small team. Utilized JS, Angular7, Java/Spring Boot, Jenkins, Jira/Confluence, and other technologies to drive software development projects.
- Designed and implemented A failure review system for the Air Force, resulting in annual savings of millions of tax dollars, and provided support for various launch operations applications.

RESTAURANT SOLUTIONS, INC. 07/2017 - 04/2018

Software Engineer

- Designed and implemented a scalable cloud solution and messaging architecture for client data polling and feature development for accounting systems.
- Held a senior-level position, taking charge of the entire development lifecycle, encompassing planning, coding, testing, deployment, and maintenance.
- Enabled business to scale from supporting hundreds to thousands of restaurants with significant room for growth.
- Utilized a wide range of technologies, including JS, C#, VB.Net, AWS, RabbitMQ/Mass Transit, ASP.Net, and T-SQL.

FLINT HILLS RESOURCES 04/2013 - 07/2017

Software Engineer

- Owned resolving bugs and developing new features for a diverse range of in-house and third-party enterprise applications.
- Mentored interns and engaged in college recruiting.
- Demonstrated expertise in programming languages such as JS, C#, T-SQL, PL/SQL, ASP.Net, Angular, XSLT, Bash/Shell, Git, and VB.Net, among others.

EDUCATION

Bachelor of Science (B.S.) Information Technology
Newman University