

Benjamin Kwabi-Addo

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Summary

Software Engineer with 2+ years of experience building large-scale, systems on Bing Ads at Microsoft. Strengths in Python, C/C++, JavaScript/TypeScript, React/Node.js, and database-centric optimization (Azure, SQL). Proven impact solving advertiser pain points, improving internal tooling efficiency, and contributing to revenue growth.

Professional Experience

Microsoft — Bing Ads

Software Engineer

Redmond, WA
Jun 2023 – July 2025

- Designed and maintained internal tools and databases supporting ad delivery and campaign analytics across large-scale distributed systems.
- Partnered with PM/Support to identify and resolve customer pain points, improving advertiser satisfaction and contributing to measurable revenue growth.
- Served DRI/on-call rotations ensuring platform reliability, triaged incidents, debugging production issues, and coordinating on-call incident responses.
- Contributed to full-stack initiatives using React, Node.js, and Azure SQL/SCOPE, streamlining workflows for internal ad operations teams.

Microsoft — Software Engineering Intern

Software Engineer/Program Manager

Redmond, WA
May 2022 – Aug 2022

- Onboarded onto the Bing advertisements team to aid in creating new internal tools for more efficient work flows, onboard new customers and aid the team in working with customers increase revenue.

Microsoft — Explore Intern

Software Engineer/Program Manager

Redmond, WA
May 2021 – Aug 2021

- Collaborated with software engineers and program managers during Microsoft's Explore internship to design, develop, and deliver technical solutions while gaining experience across both software engineering and program management disciplines.

Education

Carnegie Mellon University

B.S. in Computer Science

Teaching Assistant, 15-122: Principles of Imperative Computation (Summer 2020 – Spring 2023)

Pittsburgh, PA
May 2023

Potomac Senior High School/ Governor's School @ Innovation Park

Advanced Diploma, Dual Enrollment Program

Advanced Diploma, Dual Enrollment program in collaboration with George Mason University

Woodbridge, VA
May 2019

Technical Skills

Languages: Python, C++, C, JavaScript, TypeScript

Frameworks: React, Node.js

Tools/Platforms: Azure, SQL, Scope, Docker, Git

Focus Areas: Full-Stack Development, Systems Programming, Database Optimization

Projects

Portfolio Website — benka.netlify.app

Built and deployed a responsive personal site showcasing projects/photography (React, Netlify).