David K. Besen

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578 E Dry Creek Pl
Littleton, CO 80122

SUMMARY Accomplished software engineer with a passion for creating innovative solutions

EDUCATION

M.S. in Computer Science, Spring 2019
Colorado State University, Fort Collins, CO
GTA for several classes; 4.0 GPA

B.S. in Computer Science, May 2008
Colorado State University, Fort Collins, CO
Graduated Summa Cum Laude

WORK EXPERIENCE

Firelight Systems, LLC, Littleton, CO
Game Developer, Jul. 23 - Present
- Started company from scratch. Created long-term business plan that includes learning and development, financial goals, product goals, sales strategy, platform development, distribution, customer relations, and administration.
- Designed, implemented, and released a complete Inform 7 interactive fiction game.
- Wrote an entity component system from scratch in Pico-8 Lua; implemented SFX, music, art, and sprites for an original prototype game.
- Wrote a 3D engine from scratch using C++20 and Vulkan. Designed and implemented a novel dynamic octree-based world data structure, including a Simplex noise-based procedural coherent world generation system. Used this engine to make a prototype game.

Amazon.com, Inc., Denver, CO
Software Development Engineer II, Jun. 21 - Jul. 23
- Architected, designed, and developed an NDA project on a 2-pizza team. Handled technical and interpersonal interactions between the project and surrounding/downstream projects and stakeholders.
- Refined my skills in a fully CI environment with tens of thousands of developers utilizing serverless AWS, including CDK, Lambda, DynamoDB, step functions, AWS batch, and other AWS tools and technologies. "Exceeds expectations" performance rating.

Sling TV, Englewood, CO
Tech lead, Mar. 21 - Jun. 21
- Responsible for all technical aspects of the team's contribution to the project
- Worked across borders, teams, and silos to coordinate and optimize workflows
- Served as the source of technical knowledge for the team, both about technologies used and the project architecture
- Wrote, refactored, and reviewed Go code to attain project goals

Senior Software Engineer, Aug. 19 - Mar. 21
- Wrote GoLang microservices for a Docker/Kubernetes SAFe environment
- Technologies used include Postman, Git, Jenkins, Consul, and several in-house workflow utilities

Hewlett-Packard/Hewlett-Packard Enterprise, Fort Collins, CO
Software Engineer, May 08 - Jul. 16
- Developed software to manage private clouds. Responsible for every phase of project development.
- Collaborated using a Scrum/Agile framework; handled ScrumMaster duties. Influenced the team to adopt a variety of development techniques, including test-driven development and pair programming
- Became and maintained position as the git expert for the 100+ person lab

PhoneBase Research, Fort Collins, CO
Various jobs, Jul. 99 - Aug. 07
- Rose through job levels, each time increasing in responsibility and scope
- Created multiple software products both alone and on a team
- Oversaw the IT department; provided technical support for 3 call center locations