Garrison Whitaker

garrisonwhitaker.vercel.app | Located in American Fork, UT

Results-oriented, self-motivated software engineer with a degree in Computer Science and a history of improving efficiency through strategic design and development. Over 5 years of experience in web development, cloud computing (AWS), and DevOps, complemented by a passion for emerging technologies. I am eager to secure a challenging role where I can leverage my expertise to create innovative software solutions, collaborate within a dynamic team, and drive meaningful impact.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER   **Lehi, UT**
Neighbor Storage Inc.   *October 2021–Present*

- Championed the architecture design and seamless implementation of a Headless CMS (Strapi) empowering internal teams to rapidly deploy custom landing pages using a reusable component library. The outcome was a 60% lower CAC compared to previous marketing pages.
- Engineered a robust data warehouse pipeline leveraging AWS services including DMS, Kinesis, Firehose, Lambda, and Glue, effectively replicating real-time production database changes to a secondary data store in S3. This initiative resulted in the elimination of a 12-hour daily server cron job, and enabled practically instantaneous data access for internal warehouse users.
- Architected and implemented efficient DevOps pipelines that facilitated the Continuous Integration and Continuous Deployment (CI/CD) of a portfolio of Lambda functions, previously reliant on manual deployment processes. This initiative resulted in a significant reduction in operational costs, optimizing resource utilization and streamlining the development lifecycle.

SENIOR WEB DEVELOPER / TECHNICAL OPERATIONS MANAGER   **Springville, UT**
Red Spark Company   *May 2020–October 2021*

- Designed and implemented custom client websites (e-commerce focused) leveraging knowledge in HTML5/CSS3, JS, and Liquid generating up to 350% YoY growth in web traffic.
- Successfully migrated websites to custom Linux servers and virtualized environments using Apache, nginx, and Amazon Web Services to increase server load capacity, leading to 789% increase in traffic.

FREELANCE WEB DESIGNER   **Provo, UT**
Self-employed   *August 2017–May 2020*

- Created e-commerce sites integrated with PayPal, Authorize.net, Stripe, Alipay, and other payment APIs.
- Built a custom server/client application from scratch in Java, which implemented a custom built Web API to serve data to Android-based applications.

EDUCATION

WESTERN GOVERNORS UNIVERSITY   **Salt Lake City, UT**
Bachelor of Science in Computer Science   *October 2021*

ADDITIONAL SKILLS

Cloud Computing: AWS Lambda, ECR/EKS, EC2, S3, Cloudfront, SQS, SNS, EventBridge

DevOps: Docker, Kubernetes, Infrastructure as Code (Terraform), Helm, CI/CD pipelines.

Web Architecture: HTML5, CSS3, Javascript, Typescript, React (Next/Remix), Headless CMS (Strapi, Contentful)

Data: PostgreSQL, MySQL, AWS Services (Redshift, Athena, S3, Glue, Kinesis, Firehose)