

Kevin Bonanno

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WORK EXPERIENCE

Backend Software Engineer

May 2021 - Present

Fetch Rewards – Remote

- Developed a Go microservice hosted on AWS Elastic Beanstalk to return results to 200 users per second with an average latency under 10ms
- Implemented a strangler pattern and built Go microservices to transition away from a slow Java monolith service into a design which made the homepage API call 10x faster
- Architected several horizontally scaling systems by sharing data using tools such as Redis Pub/Sub, Elasticache, and Dynamo to create distributed services that are highly performant while maintaining consistency across instances
- Implemented new features for Daily Reward by considering business perspective as well as code performance that increased new user retention app-wide by 5-10% and improved daily engagement with existing users
- Mentored two interns and an apprentice by providing guidance and motivation which provided a positive experience that resulted in two accepted return offers
- Led two monthly Fetch Tech University classes centered around backend technology at Fetch

Software Engineer

May 2019 – May 2021

Partner Software - Athens, GA

- Built an online PDF editor and an associated API using Node.js and Express to automatically fill out form-field PDFs
- Ingested existing data into AWS S3 using the Java SDK to create a cloud hosted upgrade of an existing feature
- Set up a Postgres database and used ESRI's API to manage sending and receiving data between ESRI's GIS mapping software and Partner's application
- Created a cost estimation tool using Java by querying a database from an area selection which allowed our clients to quickly assess storm damage and secure millions of dollars in funding from FEMA

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in Computer Science

Summer 2023

University of Georgia

Athens, GA

Management Information Systems and Computer Science

May 2019

SKILLS

- Tools : AWS (Elasticache, IAM, Dynamo, S3, Route 53, Elastic Beanstalk, SQS, SNS), Bitbucket, GitHub, JIRA, Grafana, Rollbar, Postman
- Database: Postgres, Dynamo, Redis, Snowflake
- Hobbies: Fitness, video games, various sports (badminton, boxing, cycling, rock climbing)