Jerrett Gonsalves

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Summary

- Well versed in backend development using Java, Spring Boot, Spring Cloud, JavaScript, Node.js, Express.js, Python, and C#.
- Experience establishing cloud infrastructure in Amazon Web Services using CodePipeline, ElasticBeanstalk, Lambda, DynamoDB, Route53, S3, EC2, IAM, and CloudWatch.
- Previously containerized microservices using Docker and managed containers in Kubernetes.
- Hands-on, project-based experience working in an Agile environment as a lead developer to successfully develop, test, and deploy applications.

Education

Southern New Hampshire University

Manchester, NH

B.S. in Computer Science – Software Engineering

Anticipated May 2024

Relevant Coursework:

- SEBD-123 Intermediate Agile Development
- SEBD-121 Intermediate Testing and OOP
- SEBD-221 Advanced Data Structures & Algorithms
- SEBD-223 Applied Java Concepts II

Technical Skills

Languages: Java, JavaScript, Python, SQL, HTML/CSS **Frameworks:** Spring, Node.js, Express.js, JUnit, Dagger

Cloud Technologies: CodePipeline, DynamoDB, Elastic Beanstalk, CloudWatch, Lambda, EC2, S3, IAM **Developer Tools/Other Technologies:** Git, Redis, Docker, Kubernetes, Visual Studio, PyCharm, IntelliJ

Certifications

Certificate in Software Engineering – Backend Development

April 2023

Kenzie Academy from Southern New Hampshire University

• Learned how to build scalable, industry-standard web applications through hands-on, project-based learning in a 12-month bootcamp which provided experience developing in an agile environment.

JP Morgan Software Engineering Virtual Experience Program on Forage

Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies.

Projects

Recipeasy | Java, Spring, Node.js, Express.js, AWS, Docker, Dagger, Redis, AuthO

February 2023 – April 2023

- Led a team of four developers in creating a web application that provides custom recipe recommendations based on ingredients in the user's fridge, reducing food waste.
- Architected application with a microservices architecture, increasing scalability with increased availability of services.
- · Created YAML templates for Amazon Web Services to provide easy modification of AWS resources in the long term.
- Developed and tested AWS Lambdas that served as a proxy between our application and a third-party API, decoupling our application from the third-party API.

Grocery E-commerce Website | Java, Spring, Node.js, Kubernetes, AWS, Stripe

November 2022 – January 2023

- Designed, developed, and tested an e-commerce website for a mock grocery store with a Microservices architecture with scalability in mind.
- · Created APIs for different services used for the website and implemented Stripe API for payment.
- Containerized applications into a container-orchestrated environment using Kubernetes to allow for highly available micro services.
- Utilized caching for services that retrieve the same data continuously, reducing cloud provider costs by reducing the number of read and write requests per hour.

Review My Teacher | Java, Spring, Node.js, AWS, Auth0

December 2022 – January 2023

- Led a team of three developers in creating a place for students to review teachers for courses they have previously taken or are enrolled in so other students can make informed decisions about class registration.
- Delegated tasks to team members via ClickUp and provided support when peers were blocked on tasks.
- Connected frontend to backend API endpoints using Node.js.
- Implemented authentication via Auth0 and Express.js to give the option of correlating reviews with an account so users can edit/delete reviews they've made.
- Created and tested GET endpoints for retrieval of reviews by username/course title so users can see all reviews they made while logged in and search reviews by course title.

Timely | Java, Spring, Node.js, AWS, Auth0

July 2022 – September 2023

- Designed, developed, and tested a web application that allows users to organize and keep track of time spent on projects, giving more accurate info about how long similar tasks take.
- Created separate services for keeping track of project and task data to reduce database query complexity and increase available access patterns.
- Integrated a rich text editor via an existing API so that users can have more organized and styled notes.

Experience

Product Specialist (Sales Associate)

August 2019 – May 2021

Apple Inc.

Rancho Cucamonga, CA

- Mentored three seasonal team members by having weekly connections, shadowing/reverse shadowing, and monitoring results which led to all team members being offered permanent positions.
- Received positive feedback from management and peers for initiative of at-home workshops to develop team member skills
 and prepare for work from home.