# 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, Auth0                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.