

# Gautham Vijayaraj

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## Education

Arizona State University, MS in Computer Science, GPA: 3.87/4.0 Aug 2023 – May 2025

## Experience

Software Engineer, Reveille Technologies, Inc. – Charlotte, NC July 2025 – Present

- Designed and implemented large-scale ETL pipelines with AWS Glue, Lambda, Redshift, and S3, enabling real-time ingestion and transformation of millions of records
- Automated ML and data pipelines on AWS SageMaker and AWS Bedrock, integrating foundation models with scalable deployment and monitoring to ensure system performance and reliability
- Built secure internal enterprise platforms using React, Node.js, and MongoDB, implementing role-based access control and high-availability workflows to streamline system operations
- Collaborated in code reviews, test coverage improvement, and CI/CD pipelines (GitHub Actions, Docker) across multiple operating systems to align with industry-standard engineering best practices

Software Engineer Intern, HCLTech, – Chennai, India May 2024 – Aug 2024

- Built Spring Boot microservices using Angular and Docker to support secure data handling for research projects
- Created NLP-based interfaces integrated into distributed applications, focusing on high scalability
- Contributed to robust unit testing, detailed debugging, and deployment pipelines, ensuring smooth CI/CD integration and consistent compliance with coding standards

Graduate Services Assistant, Arizona State University, – Tempe, AZ Sep 2023 – Dec 2023

- Built and maintained interactive dashboards to track and analyze detailed student performance data, enabling data-driven insights and academic progress monitoring
- Implemented GitHub Actions for automated grading, significantly enhancing overall code review efficiency

Assistant System Engineer, Tata Consultancy Services, – Chennai, India June 2021 – Nov 2022

- Developed financial analytics dashboards with React.js, TypeScript, Java (Spring Boot), and MySQL
- Improved system reliability and scalability by implementing optimized database queries and modular APIs
- Worked in an Agile team, contributing to SDLC phases: requirements, design, coding, testing, deployment

## Projects

Serverless Blog Generator ([github.com/gauthiii/blogGeneratorAWS](https://github.com/gauthiii/blogGeneratorAWS)) Sep 2025

- Built a serverless application on AWS Lambda using Java & Python for orchestration
- Integrated API Gateway + React frontend, storing results in S3 and querying with MySQL

Startup Copilot ([github.com/gauthiii/findMyStartup](https://github.com/gauthiii/findMyStartup)) May 2025

- Built a multi-agent system with APIs to evaluate and generate startup plans
- Implemented a full stack architecture with React frontend, Node.js backend, MongoDB/MySQL storage

## Skills and Technologies

**Programming Languages:** C, C++, Python, Java, JavaScript, Swift, Go, TypeScript, C#, Linux, Shell Scripting

**Databases:** SQL, MongoDB, Redis, OracleSQL, PostgreSQL, RDS, DynamoDB, MSSQL, Postman

**Cloud:** AWS, Azure, Docker, EC2, ECS, ECR, Lambda, API Gateway, S3, Azure DevOps, Git, Github Actions

**Tech Stack:** React.js, Node.js, HTML, Spring, Angular, Redux, Microservices, GraphQL, Kafka, Flask, REST API

**Other:** Problem Solving, Data Structures & Algorithms, Data Analysis, Scalability, Reliability, Distributed Systems