AARON JEVIL NAZARETH

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About me

A full-stack software engineer with expertise in API development, server-side programming, and database management across relational and NoSQL systems. Proven ability in building scalable applications with React, Node.js, and TypeScript, while implementing robust CI/CD pipelines. Recognized for driving innovative user experiences and collaborating within global teams to deliver measurable results.

Education

N.M.A.M. Institute of Technology   **Dec 2020 - May 2024**
Bachelor of Engineering, Computer Science Engineering (GPA: 9.17 CGPA)

Poornaprajna P.U College   **May 2018 - Mar 2020**
Pre-University College(12th), Physics, Chemistry, Mathematics, Electronics (GPA: 89.33%)

Experience

Louisa Al | *Software Engineer*   **Jan 2024 - Present**
- Designed and implemented jobs and tasks to fetch news articles from the internet, processing insights like summaries, key entities, and more using Apache PySpark, Airflow, Elasticsearch, and AWS S3.
- Enhanced the front-end UI and optimized filter presentation for improved results using React and TypeScript.
- Collaborated in end-to-end product development, from defining system requirements and managing partner dependencies to workload balancing, software implementation, testing, and configuring metrics, alarms, and dashboards.
- Integrated CI/CD pipeline processes, managed pull requests, code reviews, load/stress tests, and executed unit, integration, and end-to-end testing to ensure robust API development and server functionality.

Salesine Technologies | *Software Engineer, Intern*   **Jun 2023 - Aug 2023**
- Developed a responsive front-end sales page using React, applying modern web application methodologies to enhance user interface design.
- Implemented back-end functionalities with Node.js and Express.js, ensuring efficient API development, server request handling, and seamless MongoDB integration for reliable data management.
- Deployed the application on Vercel to optimize performance and user experience, contributing to a 25% increase in engagement while utilizing Git for version control.

Projects

NEWS EXPERTISE
- I developed a news article feature where users receive daily news based on the companies and people they follow. This feature provides expertise through an automated job and AI/ML models stored in S3 and ElasticSearch, processed using PySpark.

INCRIDEA
- For the Incride 2024 college fest, I developed the admin dashboard, implementing features such as an events page and an XP-based game with a leaderboard using NextJS, NodeJS, ExpressJS, and Threejs.
- I also designed and implemented the UI and backend schema with multiple mutations and queries, leveraging technologies like GraphQL, Apollo-Client, JWT, Crypt, TailwindCSS, Prisma, and Pothos to ensure a seamless user experience.
- Additionally, I deployed the application on Vercel and managed version control using GitHub, demonstrating proficiency in modern web development and deployment practices, used by over 10000 users.

CADENZA
- I developed a webpage similar to Spotify using HTML, CSS, JavaScript, Handlebars, Node.js and SQL.
- This platform allows administrators to add and delete songs, while users can listen to music and access lyrics based on top charts or available artists.

Skills

- **Programming Languages**: Python, Java, JavaScript, TypeScript, C++, C
- **Databases**: MongoDB, MySQL, NoSQL, Elasticsearch
- **Frameworks & Libraries**: Node, Express, React, Web Components
- **Cloud & DevOps**: AWS, Heroku, CI/CD
- **Other Skills**: Git, PySpark, GraphQL, Kotlin, OOP, AIML, Web hooks, Automation, CSS, Microservices, Data Processing, Frontend, Backend, Full-Stack, API Development, Computer Science Background

Certifications

- **Astronomer Certification for Apache Airflow Fundamentals**: I learned to effectively create, manage, and monitor DAGs in Apache Airflow, understanding its components, task lifecycle, UI interactions for debugging, and best practices in data pipeline architecture.
- **The Complete 2024 Web Development Bootcamp**: I learned essential skills encompassing frontend and backend development, including frameworks like React and Node.js, along with database management, API integration, and responsive design principles.