

# Kaushik Parray Balakesavalu

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## Experience

**Web Developer** , Resilience Inc. – Tampa, FL

May 2024 – Aug 2024

- Designed, customized and deployed responsive front-end interfaces for a K–12 learning platform using ReactJS/Angular, HTML, CSS, and JavaScript, improving usability across mobile and desktop devices.
- Supported the K–12 student app by enhancing visual assets and user interface elements using Adobe Illustrator and Photoshop, improving engagement and ensuring a polished, on-brand experience for over 500 monthly active users.
- Collaborated with client and front end team to improve the UI by incorporating color schemes and design elements focused on enhancing students' emotional and mental well-being.

**Software Developer-FrontEnd**,Yourbackers Aeromodelling Pvt. Ltd – Puduchery, India

September 2020 – Nov 2022

- Designed, customized, and deployed visually rich front-end interfaces for a drone management system using Angular, HTML, CSS, and TypeScript, hosted on Amazon EC2.
- Collaborated with clients to align UI components with branding, using Adobe Photoshop to edit and optimize 50+ assets for improved visual consistency and performance.
- Applied core design principles to maintain consistency across UI elements and ensured brand alignment across all client-facing implementations.
- Enhanced usability and branding by integrating images and logos and adjusting layouts across web pages.
- Implemented Hibernate ORM for efficient database interaction and data persistence, leading to a 30% reduction in query execution time.
- Streamlined the development pipeline with Jenkins CI/CD, achieving continuous integration and deployment for high system availability
- Diagnosed and fixed recurring front-end bugs, maintaining UX stability and overall user experience.

## Projects

**Student Survey Management**

March 2024 – July 2024

- Developed a user-friendly student survey management web application using Angular, HTML, CSS, JavaScript, TypeScript, and Bootstrap, ensuring smooth navigation and seamless data input.
- Conducted thorough UI testing and validation to guarantee accurate user input and feedback, improving survey completion rates and user satisfaction.

**Containerization and AWS Deployment of Web applications**

Jan 2024 – March 2024

- Designed and maintained front-end deployment pipelines for web applications hosted on AWS, leveraging EC2, S3, and CloudFormation to ensure scalable, fault-tolerant user experiences. realized 20% decrease in application downtime by executing refined deployment tactics.
- Set up a Jenkins CI/CD pipeline for automated GitHub monitoring, Docker image building, and Kubernetes deployment.

## Technologies

**Languages/tools:** Java, C/C++ , SQL, Angular.13, React,Adobe Photoshop, Adobe Illustrator, figma, Blender. JavaScript, TypeScript, PHP, HTML, CSS.

**Technologies:** AWS (S3, EC2, DynamoDB, RDS), Spring Boot, MySQL, Docker, Jenkins (CI/CD), Kubernetes, Postman, GitHub, Android Studio, Putty, VS Code, Linux (Kali, Ubuntu).

## Certifications and achievements

- **AWS Certified Solutions Architect - Associate (SAA-C03)** | Validation Number: d42a0df8a58d42b487e174bde88924ee
- Academic Excellence Award by the Department of Computer Science for FY2024.

## Education

**George Mason University**, MS in Computer Science | **GPA: 3.84/4.0**

- **Coursework:** Web Development, Component Based Software Development, UI/UX Design principles.

**Anna University-LICET**, B.E in Computer Science and Engineering

- **Coursework:** User Interface Design and Developments, Cloud Computing, Computer Architecture.