

BILLE GIRITEJA

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EDUCATION

R.V College Of Engineering

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

CGPA: 8.78/10

Bangalore, India | 2021

SKILLS

Programming Languages: C++, TypeScript, Python, SQL

Technologies: Angular, Node.js, NestJS, Redis, AWS, Sonar, Jest, Git, Kubernetes, Bamboo, JIRA

Mobile Development Kotlin, Java, JW Player SDK

WORK EXPERIENCE

EPSILON | SOFTWARE ENGINEER 2

Bangalore | Aug 2021 – Present

Full Stack Development

- Developed and maintained a product of epsilon, **PubAdmin**, a TypeScript-based Full Stack application using Node JS and Angular, enhancing ad site management and advanced reporting capabilities.
- Spearheaded the implementation of **Redis caching**, significantly improving application efficiency and reducing response times.
- Transformed the publisher onboarding experience by creating a feature to consolidate all their sites into a single file, resulting in a remarkable 40% increase in publisher onboarding.
- Delivered over 25+ new backend modules in NestJS and 20+ new features in Angular, ensuring robust, scalable, and maintainable solutions.
- Maintained high code quality through regular **Sonar reports** and extensive Jest test cases, achieving **80% code coverage** for both front-end and back-end components.
- Developed a full-stack application as a Proof of Concept for integrating **Citrus**, a newly acquired company, into Epsilon as a demand partner. Created an adapter to convert Citrus ad APIs data into the OpenRTB format, mapped metrics fields to Epsilon's CPE, and streamlined the onboarding of Citrus customers, enhancing revenue flow.
- Delivered a Proof of Concept for integrating JIRA with **PubAdmin**, automating ticket creation for approvals or rejections using JIRA webhooks. Provided thorough documentation for seamless implementation.

Mobile App Development

- Led the development of **PubLite**, enabling publishers to track ad revenue and performance metrics. Implemented charts for intuitive data visualization and analysis of ad trends.
- Engineered the **Beaker** and **Access** Android apps, allowing users to view ad creatives via QR code scanning or links. Integrated the JWPlayer Android SDK for seamless video ad playback within the app.

PROJECTS

TODO LIST CHROME EXTENSION

2023

A simple and secure todo list chrome extension that keeps track of the todo items. It is live in chrome web store.

AUGMENTED REALITY AD - FUTURE AD TECH EVOLUTION

EPIC HACK EPSILON, IN , JUNE 2022

Created a captivating demo of an Augmented Reality Ad using cutting-edge Apple's Photogrammetry modeling and Deployed a website, allowing users to immerse themselves in the AR Ad experience from a mobile web browser.

DEEZER MUSIC

2023

A chrome web extension that allows users to listen to the preview song for 30 seconds.

FAKE NEWS DETECTION

2021

A Machine learning model is built to detect fake and true news and deployed using flask app.

ALGORITHM-VISUALISER

2021

Different Types of path finding and sorting algorithms are visualised using Pygame library.