Bandi Bharat Laxman Kumar

🌐 Portfolio Github in LinkedIn ✉ bharath.Lkb@outlook.com ▪ +91-8247228027

EDUCATION

KL University Hyderabad   Hyderabad, India

Bachelor of Computer Applications - Computer Science   *June 2021-24*
Courses: Operating System, Object Oriented Programming, DBMS, Data Structures   **CGPA: 9.62**

SKILLS

Languages: Proficient in TypeScript and JavaScript, and have a working knowledge of C/C++, Java, Python, and SQL
Web Development: React, NextJS, Redux, HTML5, CSS3, TailwindCSS, NodeJS, ExpressJS, RESTful API
Technology: Amazon Web Services, Microsoft Azure, Git/GitHub, Docker, MySQL, MongoDB
Other Skills: Systems Design, UI/UX Design, Problem-Solving, Debugging, Effective Communication

EXPERIENCE

Vertocity   Hyderabad, India
SDE Intern   September 2023 - Present

- Reduced monthly **AWS infrastructure costs** from $720 to approximately $210, achieving a **70.83%** reduction through **resource optimization** and **usage data analysis**.
- Engineered a lead management & analytics platform, achieving a **70%** reduction in analysis time and enhancing team performance, using **NextJS**, **React**, **TypeScript**, and **TailwindCSS**.
- Led architectural transition from **Single-Tenant to Multi-Tenant**, resulting in **substantial reduction** in **development overhead** and **costs**, while enhancing **scalability**.
- Developed a **highly performant** Kanban Board with **filtering capabilities** and an **analytics dashboard**, showcasing **multiple graphs** with **minimal network payload** through **lazy loading techniques** for **optimal performance**.
- Built **AI chatbot** with **FlowiseAI**. Utilized **Python, Amazon Transcribe**, and **S3** to transcribe video for chatbot embeddings, enhancing chatbot effectiveness in addressing student questions.

PROJECTS

DevCircle - A Collaborative Developer Network:
- Developed **DevCircle**, an **open-source developer community platform** that fosters a **collaborative environment** for **developers** to exchange **expertise** and stay **up-to-date**.
- Engineered a production-grade application with **Next.js 13's** cutting-edge **Server-Side Rendering (SSR)** and **React Server Components (RSC)** capabilities, implementing industry-standard **SEO** practices.
- Orchestrated seamless **Continuous Integration and Continuous Deployment (CI/CD) workflows** using **GitHub Actions**, deploying the application on **Amazon Web Services (AWS)** via the **Serverless Stack Toolkit (SST) framework** and **AWS Cloud Development Kit (CDK)**.
- Ensured efficient caching using **Redis** and leveraged **CloudFront CDN** for optimal content delivery.
- **Tech Stack: NextJS, React, TypeScript, MySQL, Redis, Shadcn/UI, TailwindCSS, EditorJS, NextAuth, API Gateway, Lambda, S3, CloudFront**

OptimizeX - Effortless Image Optimization:
- Developed and deployed OptimizeX, a scalable **SaaS** application using **NextJS**, **React**, **TypeScript**, **Prisma**, and **AWS**, enabling efficient bulk-generation of optimized images.
- Achieved outstanding performance scores on **pagespeed.web.dev**, with a score of **90+** in key areas like **Performance**, **Accessibility**, **Best Practices**, and **SEO**, ensuring a seamless user experience and high search engine visibility.
- Implemented robust security measures, including fine-grained **IAM permissions** and access keys.
- Successfully integrated various **AWS services** like **S3**, **Lambda**, **SQS**, **CloudFront**, **CloudWatch**, and **SNS**, enabling essential functionalities such as image storage, processing, content delivery, monitoring, and notifications.
- **Tech Stack: TypeScript, React, NextJS, TailwindCSS, MongoDB, NextAuth, Zustand, S3, Lambda, SQS, SNS, CloudWatch**

PROFESSIONAL CERTIFICATIONS

- **AWS Certified Developer Associate**   *Amazon Web Services*
- **AWS Certified SysOps Administrator Associate**   *Amazon Web Services*
- **AWS Certified Solutions Architect Associate**   *Amazon Web Services*
- **AWS Certified Cloud Practitioner**   *Amazon Web Services*