Rahul Agarwal

therahulagarwal.com | github.com/ragarwalll

EXPERIENCE

SAP LABS INDIA | Full Stack Developer

Bengaluru, India | Present - 2019

- Built and scaled a multi-tenant provisioning system using **Kubernetes Operators, CRDs & ArgoCD for GitOps** cutting down customer setup time by 90% and supporting 100+ enterprise deployments.
- Architected and developed a **Go Lang** based content management system for SAP BTP, implementing **directed acyclic graph** for dependency resolution and cloud-native deployment using custom buildpacks, evolving from internal prototype to open-source solution with 15+ enterprise adoptions.
- Developed a content management SaaS solution using **SAPUI5, JavaScript, XML & MVC** pattern for SAP BTP, implementing innovative *event bus architecture* for real-time data synchronization, driving adoption across 50+ enterprise customers.i
- Built a **VS Code extension** to automate project onboarding, reducing setup time by 60% and boosting productivity for 1,500+ developers across product teams
- Developed Book LLM, an **AI-powered** document analysis tool leveraging **LangChain** framework and multiple **LLMs,** enabling flexible document processing (JSON, PDF, CSV) through intuitive UI and developer API for custom implementations.
- Built Yellow Circle, a mental health platform initiative by Human Resource's Office using **UI5, Node.js, and TypeScript** driving adoption among 1,000+ employees and fostering workplace well-being through secure, confidential support resources.
- Led architecture and development of Care for Life platform using **Turborepo monorepo design and React.js,** implementing dynamic role-based system for benevolent fund management, guiding 10-member team.
- Developed an end-to-end scholar onboarding system using **Node.js and TypeScript** featuring built-in social platform and chat functionality, processing 150+ new graduates annually while cutting onboarding time from days to hours.
- Designed and developed an employee rewards platform for Managing Director's office using **Node.js and TypeScript,** managing 5,000+ nominations from 10,000+ employees, featuring automated multi-tier jury review system and end-to-end selection workflow.

PERSONAL PROJECTS

- Built VitaGen, an open-source resume generator that transforms JSON data using **Python** into **LaTeX** documents, featuring GitHub-based PDF generation through issues/PRs and extensive customization options for colors, typography, and layouts.
- Built a social networking platform for Rotaract Club of Kolkata, single-handedly using **PHP and JavaScript,** implementing core features including posts, real-time chat, and member networking capabilities.

EDUCATION

BITS PILANI, RAJASTHAN

Master of Technology

Bengaluru, India | 2019 - 2023

Cum. GPA 7.61 / 10.0

THE HERITAGE ACADEMY

Bachelor of Computer Applications

Kolkata, India | 2016 - 2019

Cum. GPA 8.49 / 10.0

SKILLS

PROGRAMMING LANGUAGES

HTML • CSS • JavaScript • Python • Java • Go • TypeScript • SQL • PHP • LaTeX • Shell

Over 1000 lines

C • C++ • CSS • PHP • Assembly

FRAMEWORKS & LIBRARIES

Node.js • React.js • Express.js • Next.js • Spring Boot • Flask • SAPUI5 • Kubernetes Operators • jQuery • LangChain • Bootstrap • CDS • Hibernate

CLOUD & DEVOPS

SAP BTP • Kyma • Kubernetes • Docker • Git

FAMILIAR

C • C++ • Swift • Dart

LINKS

Github // **ragarwalll**

LinkedIn // **ragarwalll**

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