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.

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

LINKS

Github // **ragarwalll**
LinkedIn // **ragarwalll**
Portfolio // **therahulagarwal.com**
BlueSky // **@therahulagarwal.com**
Gmail // **agarwal.rahul324**
Mail // **contact@therahulagarwal.com**
NPM // **@ragarwal06**

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

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.