Shagun Bandi

Software Development Engineer 1 @ Publicis Sapient

Converting Ideas to Initiatives and Caffeine to Code

✉ shagunamitbandi@gmail.com 📱 +91 9932538111 🌐 shagunbandi.github.io/Portfolio/ in linkedin.com/in/shagunbandi

EDUCATION

Bachelor of Technology
IIT Kharagpur

07/2015 - 04/2019   *Kharagpur, India*

Courses

- Object Oriented Systems Designs
- Probability and Statistics
- Statistical Techniques and Computer Programming
- Operating Systems

WORK EXPERIENCE

Software Development Engineer I
Publicis Sapient

07/2019 - Present   *Bengaluru, India*

Tasks

- Worked as full stack developer for a online banking application, writing microservices in springboot, frontend on react and database as MongoDb
- Built the validation and other bank specific microservices from scratch along with integrating them with Kafka
- Added new features like the copy functionality on the documentation page using GatsbyJs
- Setup Kubernetes environment and Jenkins Pipeline for one click deployment of the application on GCP.
- Added Istio and Auth0 security in the application, securing all the microservices
- Worked on Azure Pipeline to build, test and run the code along with adding version for the same application

Software Developer Intern
Toppr

05/2018 - 07/2018   *Mumbai, India*

Tasks

- Used SQL queries to get the required data from various sources and designed an efficient database using it
- Developed RESTful web services with JSON representation
- Created 2 Android Application and published them on play store

Backend Developer Intern
Finbox

05/2017 - 07/2017   *Bengaluru, India*

Tasks

- Designed algorithms that find the user's Income, their expenditures, savings, and bank account statement based on the SMS they received.

EXTRA CURRICULAR

National Service Scheme
- Educating the underprivileged

AIESEC
- Stayed in Egypt for a month as a part of Cultural Exchange Program

SKILLS

Java Python JavaScript Spring Boot NodeJs
ReactJs Django Kubernetes Docker Jenkins
GCP Azure MySQL MongoDB

PERSONAL PROJECTS

App development for real-time irrigation scheduling
- BTP project to build crop growth requirements model taking into account various real-time changes near the field
- Developed an android app with basic UI for the farmer to register the user, his farm details and notifying him about irrigation details
- Developed a Django Server to expose the API based on the calculations from the initial data provided by the farmer

Inventory Management - Jyoti Cards
- Developed a modular website for Jyoti Cards. Admin can simply add delete all the UI components of the website from the admin panel
- Generates client specific links to simulate catalogue viewing experience online
- Real time inventory management, with automatic updates sent via whatsapp
- Automatic Scaling of the application depending upon the traffic using managed Instance groups on GCP

RaspHomeKit
- Home automation with Raspberry Pi
- RGB Led Strips blink according to the music being played on the system
- Scheduled Irrigation for the balcony garden

Text Editor
- Developed the backend of a GUI Text-Editor to include functionalities like spell-checker, autocomplete, MarkovText, WordPath

CERTIFICATES AND ACHIEVEMENTS

Associate Cloud Engineer
- Google

Object Oriented Programming in Java
- UC San Diego

SBI National Hackathon - Code for Bank
- Digital Distribution Toolkit

INTERESTS

Algorithms Web Development
Programming and Data Structures Photography