

Shagun Bandi

Associate Software Development Engineer II @ Publicis Sapient

Converting Ideas to Initiatives and Caffeine to Code



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🌐 shagunbandi.github.io/Portfolio/

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EDUCATION

Bachelor of Technology IIT Kharagpur

07/2015 – 04/2019

Kharagpur, India

Courses

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

WORK EXPERIENCE

Associate Software Engineer II 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
- Migrated Code which was using Commander to oclif
- 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

Machine Learning

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
- 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