Saikiran Belana

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Summary

I'm currently employed as Full Stack Developer at LightSpeedAI Labs. I'm inclined toward working on challenging projects with exposure to upcoming technologies.
I work on application design, code, and Scale on a network of servers with DevOps Practices.

Expertise in:
Programming languages: Javascript, Bash, YAML, EJS.
Database: SQL, MongoDB.
Frameworks: NodeJs, ReactJs, Express, Material UI, TailwindCSS
Operating system: Linux & Windows
Cloud-Based: AWS, Azure, On-Premise
DevOps Tools: Docker, Kubernetes, Vagrant, Rancher, Grafana-Monitoring with Prometheus.
Version Control: Github, CodeCommit
GitHub: https://github.com/belanasaikiran

Interests: Web Technologies, DevOps & System Design

Experience

Full-stack Dev | Azure
LightSpeed Photonics
Sep 2021 - Present (1 year 4 months +)
- Designing web application flows by creating quick prototypes of wireframes and UI components using BalsamiqCloud & Figma.
- Building Restful API services using NodeJs & ExpressJs to run FPGA-based applications with Bash Scripts.
- Address complex issues for real-time apps with WebSockets connectivity.
- Responsible for maintaining the company's portfolio website with responsive & functional UI components for perfect user experience on any device.
- Deploy Intel FPGA-based Docker Images to On-premise Kubernetes with Webhooks & connecting to Azure Kubernetes Service to run FPGA apps remotely.
- Coordinating with Interdisciplinary teams to understand FPGA-based applications for building CI/CD pipelines and developing user-friendly real-time web apps for application deployment on FPGA hardware.
- Contribute to the overall software development life-cycle including requirements gathering, analysis, design, development, release/version control(Git), testing, and deployment

Software Intern
LightSpeedAI Labs
Apr 2021 - Aug 2021 (5 months)

- Generated Petalinux OS images for Xilinx FPGA boards
- Automated bash scripts for image generation
- Deployed instances & virtual network interfaces for sub-netting multi instances, and managed code-commit repositories on AWS
- Built a GUI to demonstrate video analytics on custom EdgeAI Acceleration Hardware

Education

Jawaharlal Nehru Technological University, Hyderabad

Bachelor of Technology - BTech, Computer Science

2016 - 2020

Sri Chaitanya Jr. College

Plus 2, maths, physics and chemistry

2014 - 2016

Kennedy High school

High School , High School/Secondary Diploma Programs

2012 - 2014

Licenses & Certifications

Docker Mastery: with Kubernetes + Swarm from a Docker Captain - Udemy
UC-18f9c634-dda4-4d81-bb0f-71907de16cd5

Azure: Create a Virtual Machine and Deploy a Web Server - Coursera
EQ86HGC9DYM2

Skills

Figma (Software) • Mockups • Xilinx Vivado • Adobe Premiere Pro • Yocto Project • Jenkins • Github Actions • Git • Tailwind CSS • dotfiles