SHIHABUDHEEN KM

✎ Professional Summary

- Over 7+ years of experience in Analysis, Architecture Design, and Development of Web/Mobile Applications. Good experience in developing web applications implementing MVC/MVT architecture using Django, Nodejs, and Angular.
- Knowledge of working with celery task distribution queue and Redis/RabbitMQ as the message broker.
- Experience on various version control systems (git, svn)
- Hands-on experience in Deployment (Nginx, Gunicorn, uWSGI, and Supervisor Controller)
- Hands-on experience in Cloud services like AWS, Docker, and Linux virtual machines. Built Restful APIs using Django and Django Rest Framework
- Hands-on Experience in HTML, JavaScript, Jquery, AJAX, Angular 4+, Bootstrap, CSS, and JSON.
- Good exposure to Agile methodologies for project execution and Involvement in complete Software Development Life Cycle

💼 Employment history

Tech Lead, VVDN Technologies. Kochi, Kerala
Dec. 2017 – Present

VVDN is a technology innovation company providing a broad Spectrum of embedded design services and ODB capabilities of Networking, Wireless, IoT, and Cameras.

Senior Software Developer, Transight Systems Pvt. Ltd. Kochi, Kerala
Mar. 2015 – Dec. 2017

Transight is a premium trans-national provider of high-end communication solutions for various industries. Online tracking facility, mobile app, and desktop app, allowing users to trace vehicles on various smart gadgets.

Software Engineer, Zesty Beanz Technologies Pvt Ltd. Kochi, Kerala
Dec. 2013 – Mar. 2015

ZestyBeanz Technologies is an India based OpenERP expert company operating from Technopark Thiruvananthapuram, Ravipurm – Ernakulam.

🎓 Education

Govt. Engineering College (University Of Calicut), Sreekrishnapuram, Palakkad, Kerala
B-Tech, Information Technology, Mar. 2013

IPT & Govt. Poltechnic College, Kulappully, Shornur, Kerala
Diploma, Computer Science, Mar. 2009

Govt. Higher Secondary School, Cheruthuruthy, Kerala
Plus Two, Science, Mar. 2005

Personal info

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Karanchery House, Nedumpura Post, Cheruthuruthy, Thirssur, 679531 (IN)

Languages

Malayalam

English

Skills

Docker

PostgresSQL

Python

AWS

CSS

JQuery

HTML

Angular

Django

Javascript

📖 Projects

1. Wireless LAN Controller
Description:
   WLC is a system to provide centralized management and control of Wireless Access Points. This is one of the systems involved in large Wireless Deployments for Telecoms Companies

Technologies:
   C, Python, Django, RabbitMQ, Celery, Redis, Cassandra, Angular4, HTML, CSS, Bash, etc.

Responsibilities:
- Developed user interface using CSS, HTML, JavaScript and added Validations and business logic using Angular
- Using Python and Django Framework to develop the backend of the web application, along with REST   API.
- Used python PIKA and Websockets for real-time notifications
- Used Celery as task queue and Redis as a messaging broker to execute asynchronous tasks
- Deployed web applications using Gunicorn, Nginx, and supervisor controller on LINUX Environment and Virtual Machines.

2. VR360 Video Cloud
Description:
   Video Cloud and Mobile application for AI-Enabled 360 Camera Accessory that run on the 5G Network hot-spot. Video Cloud Application can be able to change the camera to different modes like Video Surveillance Mode, Driver Monitoring System, Video Conferencing Mode, etc.

Technologies:
   Python, Java, Kotlin, React, Azure, Kubernetes, Janus Media Server, Redis, MQTT, PostgreSQL, RabbitMQ

Responsibilities:
• Worked as a Lead Developer and involved in various phases of the project analysis, design, development,   and testing
• Design and developed camera to cloud and back communication using MQTT and RabbitMQ and   managed all events like onboarding, rebooting, recording video, and AI-related notification like Motion detection, Human detection, etc
• Live video streaming to the android application through the cloud using Janus WebRTC Media server

3. Retail Store Surveillance Portal
Description:
   The solution is introduced into a live running network that has security cameras installed. The solution can handle multiple live video streams simultaneously and analyze, report theft events that happened in the visibility of the camera's field of vision.

Technologies:
   HLS Streaming, Nodejs, Angular 8, MongoDB

Responsibilities:
- Developed Front-end web application using Angular Framework
- Responsive Webpages design and validation using Angular
- HLS Live Streaming and API integration
- Deployed Application with PM2 and Nginx

4. Smart City Surveillance System
Description:
   The Smart City surveillance solutions based AI/ML is mainly focusing on Access Control and Suspicious Vehicle Detection, Surveillance Security using Face Detection, Vehicle Traffic Monitoring, and Crowd detection.

Technologies:
   NodeJs, Express, MongoDB, Angular, HLS Live Streaming

Responsibilities:
- Developed Front-end WebUI using Angular.
- Created REST APIs Using Nodejs and integrated with Front-end

5. Transporter Management System
Description:

Online platform for post shipping requirements as an advertisement. Real-time bidding window, customers can choose the least bid. Customers can track the shipment, real-time alerts, feedback, rate transporter, etc.

Technologies:

Python, Django, Celery, Redis, Node.js, HTML, Jquery, CSS, Angular JS, PostgreSQL

Responsibilities:

• Worked as full stack developer, involved in project design, development, and testing
• Developed Front-end as well as backend Using Django and Jquery

5. Student Management System

Description:

Real-time Student Tracking System for parents using RF-based ID Card and Transight vehicle tracking system. It includes features like bus starting alert, stop reach alert, school reach alert, absent alert, swipe alert, etc.

Technologies:

Python, Django, Celery, Redis, Node.js, HTML, Jquery, CSS, PostgreSQL

Responsibilities:

- Worked as Full-Stack Senior Developer
- Design Web pages using HTML, JavaScript.
- Using Python and Django Framework to develop the backend of the web application, along with REST API.
- Deployed web applications using Gunicorn, Nginx and supervisor controller on LINUX Environment.

6. Vehicle Tracking System

Description:

Transight has an online GPS based vehicle tracking facility with utmost precision, along with all information ranging from location, speed, route, and engine status. Fleet Management, Spot the vehicle, Halt alert, Location alert, Route tracing, Deviation alert, Geo-fencing, Reports, statistics, etc.

Technologies:

Python, Django, Celery, Redis, Node.js, HTML, Jquery, CSS, PostgreSQL, MongoDB

Responsibilities:

- Involved in software development life cycle (SDLC) of tracking the requirements, gathering, analysis, detailed design, development, system testing, and user acceptance testing.
- Utilized Python, Django, jQuery to design server applications and client interfaces.
- Worked on real-time vehicle tracking module, real-time notifications using web sockets
- Worked on translation of web pages to different languages as per client requirements.
- Deployed web applications using Gunicorn, Nginx, and supervisor controller on LINUX Environment.