

ASHOK RANJAN K

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SOFTWARE ENGINEER

Full-stack web developer with 3+ years of experience in ReactJS, FastAPI, and cloud services (AWS). Eager to contribute to building robust web applications and scalable products in a fast-paced environment.

TECHNICAL SKILLS

- **Frontend:** ReactJS, Ant Design(AntD), MaterialUI, TypeScript, JavaScript/ES6+, jQuery, HTML, CSS3, Bootstrap
- **Backend:** Python, FastAPI, Tkinter, Django (Basics)
- **Database:** MySQL (intermediate), MS SQL (intermediate)
- **Cloud & DevOps:** Boto3, EC2(Intermediate), S3, IAM, CloudWatch, Docker (Intermediate)
- **Tools & VCS:** GitHub Flow, GitLab Flow, Postman
- **Others:** Struts2 (Java Support), JWT Auth, Agile Development

WORK EXPERIENCE

SST Cloud Solutions Pvt. Ltd. Software Engineer

Oct 2024 – Present

- Developed and maintained live-streaming web applications tailored to client needs using React JS with MUI and Antd libraries.
- Planned and developed the HRMS Payroll and Onboarding tools to meet business requirements using ReactJS, TypeScript, and MUI component libraries.

Techorc Software Solutions Associate Software Engineer

Mar 2022 – Aug 2024

- Initially hired as a Python developer and later transitioned to ReactJS development, contributing to full-stack web projects before concluding my role in August 2024.
- Designed and developed an HRMS onboarding tool to track employee details and IT computations using ReactJS and Python.
- Collaborated in a team to deliver the HRMS tool within a two-month timeframe; handled ad-hoc testing, bug fixes, and feature upgrades for existing and new web applications.
- Managed AWS infrastructure for live events, automating server deployment using Python. Successfully handled over 50,000+ concurrent streams and 200+ EC2 instances during a single-day event.
- Maintained a custom-built video streaming web application using Struts2 (Java), MS SQL, JavaScript, and Python

Tata Consultancy Services Process Analyst

Dec 2016 – Aug 2017

- Worked on projects to improve quality, reduce errors and design new business processes.
- Monitoring, Measuring and Providing feedback on process performance.
- Identified risks and implemented control measures.

EDUCATION

MBA in Marketing & HR

Hindustan University • GPA: 7.82

Chennai • Jun 2019

BBA in Business Administration

KSRCAS • GPA: 5.8

Tiruchengode • Jun 2016

CERTIFICATIONS

Python, Django, AI and ML

JAIN Certification

Basic level of C & C++

Krishna Institute

PROJECTS

HRMS Onboarding Tool (ReactJS, FastAPI, MySQL)

- Built a comprehensive onboarding system to manage employee information and IT declarations.
- Designed the UI using MUI, implemented form validation and state management with hooks.
- Hosted on AWS EC2, it handles JWT-based authentication and user authorization.

Boto3 Video Downloader (Python, Tkinter, FastAPI, MS SQL)

The main objective of this tool is to reduce the limit of video downloads from S3 storage in AWS Cloud. Once the file is downloaded locally, restrict access to download the video again to reduce the cost of AWS.

Candidate Pre-Application Tracker (Python, Tkinter, MySQL)

The main objective of the Candidate Pre-Application is to manage the details of the candidate's name, date of inquiry, and course required to learn; it manages all the information about the candidate's profile and stores it in the database.