Subrat Kumar Panda Systems Engineer

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Professional Summary:

- Experienced **Conversational AI & Backend API** Developer with **2+ years of Professional experience** in designing and developing enterprise applications with an excellent leadership record. Predominant expertise in **NodeJS** and **Azure cloud** services.
- Directed a project optimization team, utilizing expertise in diverse programming languages and frameworks, with speed and accuracy.
- Eager to contribute as a SDE, Backend Developer, or DevOps Engineer, with a strong leadership background.

SKILLS:

- **Technical Skills**: Rest-API, Azure Cloud, Docker, Kubernetes, IBM Cloud, DevOps, JIRA, GIT, GITHUB, MySQL, PostgreSQL, IoT
- **Management Skills**: ITIL/ITSM, ServiceNow, Project Management, Client Negotiation, L-Shift Management
- **Programming Languages**: Java, C, C++, Node.js

EXPERIENCE:

Systems Engineer: Jul 2021 - Present
Tata Consultancy Services

- Managed the Intelligent Automations API team at **Haleon, a UK-based healthcare MNC** as the **Offshore Technical Lead**.
- Developed a high value **chatbot** enabling **2FTE savings** and monthly cost reductions by nearly **£15,000** for the client organization.
- Optimized cloud resource plans, including changes to **IBM Watson** instances and **Azure resource plans**, resulting in a cost savings of **£2,500 per month** for the client.
- Designed CI/CD pipelines for containerization using **Docker** in **Azure Container Registry**, facilitating seamless deployment of imagesto **Azure Kubernetes Service (AKS) or Azure WebApp**, resulting in reduction of manual efforts roughly by **15-20 hours per month.**
- Demonstrated extensive Development Experience in **Azure Cloud**, effectively utilizing a wide range of Azure resources and services.
- Optimized SQL database usage through **query optimization** (Indexing & restructuring Joins) thereby enhancing system performance.
- Developed and utilized **DevOps toolchains** in **Azure and IBM Cloud** environments to enhance operational efficiency.
- Led the team to **design, estimate, develop, document, & test innovative & scalable systems** aimed at driving business value.
- Transformed and deployed novel product features aimed at fortifying security through **OAuth** & **SSO Login** within an agile framework.
- Built advanced Chatbots/Voicebots utilizing **IBM Watson Assistant** with **Node.js / Python** as the robust backend service.
- Coordinated as a pivotal **communication bridge between Client and Vendor management team**.
- Participated in **code reviews, offering debugging guidance** and addressing concerns regarding APIs utilized in **RPA services**.
- Conducted comprehensive **software testing** to ensure optimal functionality, emphasizing a commitment to delivering high-quality andreliable software engineering solutions.

IOT Developer Intern: Sep 2020 - Dec 2020
CSKA Automation Services

- Developed a Home Automation Systems with 100% Success rate.
- Implemented Internet based Remote Delivery System using Robots with 100% Success Rate.
- Created a Dynamic Interactive System for a Humanoid.

Achievements & Accomplishments:

- Honored with the **OnTheSpot, Star Team Award, Elevate Wings Award & Xcelerate Warrior Awards** for dedicated service to Tata Consultancy Services.
- Awarded as **National Winner** of **'Smart India Hackathon 2020'** Hardware Edition (Dept. of Scientific & Industrial Research) by MHRD.
- Excelled as **National Finalist** in **'L&T Techgium 2019-20.'**
- Recognized as an **'Emerging Innovator'** by KPIT Technologies at **'KPIT Sparkle 2020'**.

PROJECTS:

File Sharing App:

- Developed file sharing with **Node.js Express** as backend, enabling upload, download, and static authentication.
- Structured secure file uploads using Multer.
- Implemented frontend UI with HTML, CSS, and JavaScript for intuitive file management.

Plug & Play Live Transcription Spectacles:

- Developed a live transcription spectacle using Python's libraries like speech recognition & pyttsx3.
- Implemented voice activation with trigger phrases like "Hello Glass" and "Exit" to control when the app is active or in sleep mode.
- Used Raspberry Pi as a local server and integrated a transparent OLED display with Bluetooth connectivity, seamlessly integratedto a spectacle for real-time transcription with 98% Accuracy.

Certifications & Trainings:

- Upscaling expertise in **Data Structures, Algorithms, and Software Development** at **Scaler** Academy.
- Completed Certification courses about Building **Chatbots** using **IBM Watson**, **Google Dialogflow** & **Azure** (LinkedIn Learning & Cognitive Class)
- Certification courses such as **Arduino Platform** & **C Programming**, **Python Programming** in **Raspberry pi** and **IoT and Embedded Systems** by **University of California, Irvine** (Through Coursera)

Education:

Veer Surendra Sai University of Technology, Burla
B. Tech (Electrical & Electronics)   Year:2021   CGPA: 7.95
ODM International School, Bhubaneswar
Class: XII (Non-Medical)   Year:2017   Percentage: 89.8