ANURAG RAWAL

Targeting challenging opportunities in software engineering with over 2 years of experience, specializing in full-stack development, with a focus on **back-end roles**. Targeting positions in Pan India.

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👤 PROFILE SUMMARY

- Results-driven **ITILv4 certified** IT professional with over **2 years** of proven experience working in both service-based and customer-focused organizations.
- **Post Baccalaureate Diploma Graduate** in Computing and Information Systems with a focus on emerging technologies.
- Skilled in building secure, scalable web applications using **React.js, Node.js, Express.js, Spring Boot**, and **REST APIs** with strong knowledge in containerized deployments using Docker and cloud platforms like **AWS** and **GCP**.

💼 WORK EXPERIENCE

IT Analyst   Jan'23 – Oct'24
Compugen, Surrey, Canada (Client: FortisBC)

- Administered **Active Directory and SCCM**, including **deployment packaging**, while providing advanced L2 support by resolving escalated incidents and assisting the helpdesk team in ensuring solution effectiveness.
- Maintained **Exchange Server** by creating and maintaining user **mailboxes, shared mailboxes, and distribution lists**, ensuring efficient communication across departments.
- Maintained **documentation** for **system functionality**, **workflows**, and training guides to support long-term sustainability.
- Developed **PowerShell** scripts to automate some of the manual **documentation processes**, therefore making the job easy and less time consuming.
- Contributed **additional support** to the system admins of IS Team by developing **PowerShell** scripts to **automate the manual tasks** required to add DL/Teams meeting room permissions.
- Collaborated with **cross-functional teams** working on process optimization, and automation initiatives that reduced manual efforts and improved operational efficiency.

Information Systems Coop   Sep'21 – Apr'22
FortisBC, Trail, Canada

- Collaborated with the development team to enhance the company's website by developing and implementing efficient **ReactJS** code to address any identified gaps, **optimize performance**, and **deliver innovative solutions**.
- Prepared **test cases** and **executed unit testing** to design and develop robust solutions for the applications.
- Oversaw **software license** management for the team while assigning the required licenses as per the tasks/job requirements to each team member.
- Utilized **PowerShell scripting** to streamline **complex processes**, enhance workflow efficiency, and deliver user-friendly solutions, thereby contributing to **improved performance** within the development environment.
- Contributed to a culture of collaboration, innovation, and continuous improvement within Information Systems team.

J2EE Web Developer   Jul'19 – Oct'19
EME Technologies, Chandigarh

- Designed and developed dynamic web pages using **JSP** (JavaServer Pages) to deliver responsive and user-friendly interfaces aligned with client requirements.
- Implemented backend logic and data persistence using **Hibernate ORM**, ensuring efficient and scalable interaction with **MySQL databases.**
- Integrated **JSP front-end** with **Hibernate-powered back-end**, enabling seamless communication between user interface and database layers.
- Designed and optimized relational database schemas and **SQL queries** in **MySQL** to support **data-intensive operations**, enhance performance, and ensure data integrity.

🌐 PROJECTS

Smart Space   Jan'23 – May'23
Home Automation System using Raspberry Pi

- Developed **15+ APIs** to gather live properties from devices and run customised **Python scripts** hosted on Pi.
- Utilized **MongoDB** to build the backend and **Node.js, Express.js** to run APIs, with an Android app frontend using Recycler Views and Adapters.
- Smart devices supported by the application are Philips Hue, Yeelight, and Shelly smart plug. Also, utilizing various protocols including **Zigbee and RPC.**

Diversity of Living   Jan'21 – Apr'21
MERN Stack Application

- Developed reusable components and **REST APIs** using JavaScript frameworks and libraries: React.js, Express.js, and Node.js.
- Integrated **high-performance code** that performs **data manipulations and calculations** on the data provided by Numbeo API to compare the living standards of different countries.
- Deployed the Front-end on Heroku and **Web services on AWS EC2** to make it accessible and open to reviews for future enhancements.

⚙ TECHNICAL SKILLS

Core Skills: Java, JavaScript, Python, Git, TypeScript, OOPS.

Front-End: React, Next.js, Tailwind CSS v4, Shadcn/UI, MUI.

Back-End: Node.js, Express.js, Java Servlets, SpringBoot, OAuth 2.0, JWT.

Databases: MongoDB, MySql, PostgreSQL, Firebase, Mongoose.

Tools: VS Code, MongoDB Atlas, Postman, Xcode, Intellij, Github, pgAdmin4.

DevOps: GCP, AWS EC2 Instances, AWS Amplify, Docker.

Operating Systems: Windows, Mac and Linux environments.

🎓 EDUCATION

ITILv4 Service Management (Certification)
People Cert

Post Baccalaureate Diploma in Computer and Information Systems
Douglas College, New Westminster, Canada

Bachelor of Computer Applications
Panjab University, Chandigarh, India