

ROOPAL RASTOGI

As a dedicated Node.js and Microsoft Bot Framework developer, I bring 8.5 years of dynamic experience from industry leaders IBM and TCS. My extensive technical skill set encompasses Node.js, SQL, NoSQL, ExpressJS, and cloud platforms like IBM Bluemix and Microsoft Azure Bot Framework. I've deployed IoT projects, created robust APIs, and integrated IoT devices into the cloud environment. Besides, I've showcased my capacity for developing restful Node.js APIs and working with different databases and version control systems. I'm driven by effective planning, leadership, and a commitment to smart work, making a tangible difference in the projects I undertake.

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PROFILE HIGHLIGHTS

- **Expert Code Development:** Proficient in constructing high-quality, scalable and efficient codes, leveraging advanced programming languages.
- **Effective Client Communication:** Skilled at leading client meetings and handling client calls, excelling in maintaining clear, concise and productive communication.
- **Proficient in Agile Methodologies:** Organize and manage sprint meetings effectively, demonstrating a robust understanding and execution of Agile principles.
- **Team Collaboration & Problem Solving:** Adept at conducting brainstorming sessions and resolving team issues related to work, fostering an environment of collaborative problem-solving.
- **Mentorship & Support:** Proven track record in assisting subordinates with coding challenges, providing guidance and support to nurture their skills and expertise.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services

Aug '19 - Present

SAM Chatbot on Azure Bot Framework for Shell Netherlands

- **Chatbot Development and Implementation:** Implemented the **SAM chatbot for Shell's IT services**, leveraging my skills in **Node.js and TypeScript**. Contributed to both version 3 and 4 of the **chatbot use cases**, displaying **versatility** and advanced **programming abilities**.
- **Authentication and API Development:** Developed **intricate authentication mechanisms** for chatbot access via SharePoint, supporting **Microsoft Login and Ping ID Login**. Formulated RESTful APIs to **extract data from SharePoint for chatbot accessibility**, ensuring seamless user interaction.
- **Azure Services Management:** Utilized **diverse Azure services** and databases to meet project requirements, demonstrating a comprehensive understanding and application of **cloud-based technologies**.

IBM India Pvt Ltd

Sep '14 - Jun '19

KEY PROJECTS

Hindustan Unilever Pureit Project

May '17 - May '18

- **API Development and Deployment:** Developed **Node.js APIs** to interface with **backend SQL and NoSQL databases**, **device recharge services**, and mobile applications, enhancing the project's scope and utility. Successfully deployed these applications on **IBM Cloud (Bluemix) and AWS**, ensuring robust and reliable service delivery.
- **System Integration and Version Control:** Utilized **GIT for version control** while integrating new IoT devices via **built adapters/APIs**. Participated in Configuration Management and Continuous Integration, bolstering the **project's technical integrity and reliability**.
- **Testing and Leadership:** Led unit, functional, and integration testing of software components, guaranteeing **high-quality software performance**. Provided technical leadership, spearheaded the creation of water consumption reports through **DB2 stored procedures**, and demonstrated an aptitude for **strategic and operational oversight**.

Raychem RPG Project

May '14 - May '17

- **Implementation and Integration:** Played a key role in **developing** the '**Connected Shop Floor**' solution, offering enhanced visibility into the transformer manufacturing process. Successfully built and **integrated restful Node.js APIs** with **backend SQL and NoSQL databases and IoT devices**, enhancing the overall functionality and interoperability of the system.
- **Cloud Deployment and Management:** Oversaw the deployment of applications on **IBM Cloud (Bluemix) and AWS**, leveraging GIT for version control. Actively participated in Configuration Management and Continuous Integration processes to **ensure the stability and reliability** of the software components.
- **Quality Assurance and Testing:** Led the **design and execution of unit, functional, and integration** tests for developed software components. Worked extensively with **DB2 and Cloudant NoSQL** databases to ensure seamless **data management and performance**.

EDUCATION

Bachelor of Technology (B-Tech), Computer Science

Jun '10 - Jun '14

Graphic Era University

Dehradun

Percentage: 73%

KEY SKILLS

Programming Languages: Node.js, Angular.js, Typescript, HTML5, CSS3

DBMS: CouchDB (Cloudant), MongoDB, MySQL

Node.js Framework: ExpressJS

Version Controlling: Git

Cloud Platform: Microsoft Azure Bot Framework