

# SAHILDEEP SINGH RANDHAWA

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Motivated Cloud Engineering student, with over 3 years of professional experience as a Developer and cloud systems administrator. Possesses hands-on experience in JavaScript, Python, REST API and both SQL and NoSQL databases with deep understanding of Software Development Lifecycle (SDLC).

## HIGHLIGHT OF QUALIFICATIONS

- Pursuing a post-grad program in **Cloud Computing** from George Brown College, Toronto.
- Over 3 years of experience in cloud technologies and web application architectures (**Azure, AWS, GCP**) and patterns.
- Proficient in developing and maintaining **REST/RESTful** APIs, **HTTP protocols**, and working with **Postman** and **JSON**.
- Skilled in **front-end** development with **JavaScript, React, HTML/CSS** and **MongoDB** ensuring cross-browser compatibility and responsiveness.
- Strong background in setting up and troubleshooting **continuous integration & continuous delivery (CI/CD) pipelines** using tools like **Jenkins** and **GitHub Actions**.
- Skilled in facilitation of **release processes**, coordination of multiple **Agile and Scrum** teams and utilizing tools like **JIRA**.
- Expertise in scripting with **Bash, Python**, and automating tasks and scheduled jobs.
- Exceptional **communication** and negotiation skills, enabling effective collaboration with designers and team members, stakeholders, and clients.

## TECHNICAL SKILLS

<b>Programming:</b>	JavaScript, Python, Nodejs, OOP, SQL, MongoDB, NoSQL
<b>Frameworks &amp; Tools:</b>	React, JSON, REST/RESTful API, HTTP Protocols
<b>Project Management:</b>	Agile Methodologies, Jira, Scrum, Asana
<b>Code &amp; Development:</b>	Git, GitHub Actions, Jenkins, Maven, CI/CD, Visual Studio, Docker
<b>Cloud Platforms :</b>	AWS, Azure, Google Cloud, Oracle, Microservices, Serverless Functions
<b>Scripting &amp; Automation:</b>	Bash, PowerShell, Cron, Terraform
<b>Operating Systems:</b>	Linux, Windows Server, MacOS, CentOS, Redhat, Unix
<b>Security &amp; Productivity Suites:</b>	Microsoft 365, MS Office, Microsoft Defender, Google Workspace

## PROFESSIONAL EXPERIENCE

### Website & Multimedia Assistant / Web Developer (Contract)

July 2023 – June 2024

Whiteoaks Communications Group | Oakville, ON

- Dynamic **front-end** content development, working with designers to implement user-friendly interfaces for optimal user engagement and ensuring **web accessibility (W3C) compliance**.
- **Identified, diagnosed, and fixed bugs** improving application performance for maximum speed and scalability.
- Developed **custom CMS templates**, collaborating with testing team to ensure consistent and **quality code updates**.
- Maintained good **documentation** habits and participated in project management using **Jira** and **Scrum** methodologies.

### Systems Administrator / Web Admin

June 2018 - Nov 2021

ONE BCG Ltd. | Mohali, India

- Managed and optimized on-prem and cloud environments with a focus on **AWS and Azure** services.
- **Developed functional web applications** from mockups provided by designers, implementing user-friendly interfaces.
- Implemented **CI/CD pipelines** with **Jenkins** and **GitHub Actions**, streamlining the deployment process.
- **Automated** routine tasks using **Bash scripting**, PowerShell, and Python, significantly increasing operational efficiency.
- Developed a **bug tracking** system using **JavaScript** and **SQL** to manage and resolve software bugs effectively.
- Applied **unit testing** using JUnit to ensure robust and **reliable code deployments**.
- Diagnosing, **troubleshooting, and resolving technical issues** in both development and production environments.
- Monitored server **event logs** using tools like Zabbix and implemented performance tuning as necessary.
- **Received commendation** for exemplary work performance, demonstrating exceptional productivity, a strong sense of ownership, and an inspiring influence on team members.

## OTHER PROJECTS

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### RecurRent App

Sept 2023 – Jan 2024

GBC | Toronto, ON - [GitHub](#)

RecurRent is a cross platform mobile application that allows users to rent out underutilized items for extra cash.

**GitHub:** [github.com/sahil-randhawa/RecurRent](https://github.com/sahil-randhawa/RecurRent)

**Tech Stack:** React-Native, JavaScript, Firebase, Firestore, Firebase-auth, GitHub Actions, YAML, Expo, JIRA

- Utilized **JavaScript & React-Native** for building a robust and intuitive user interface.
- Backend: **Firebase**, Firestore, and Firebase-auth for **database** solutions and user authentication
- Leveraged **GitHub Actions** for **CI/CD pipelines** to ensure swift deployment and integration with cloud platforms.
- Designed **YAML workflows** to automate the deployment of new releases, facilitating seamless updates and integration with test environments.
- Integrated monitoring and logging solutions for real-time performance analysis, optimizing app functionality and user experience.
- **JIRA** Project management, ensuring adherence to **Agile** methodologies for timely delivery and iterative improvements based on user feedback and testing results.

## EDUCATION

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### PG Diploma in Cloud Computing

Jan 2024 - Dec 2024

George Brown College | Toronto, Ontario

### PG Diploma in Mobile Apps Development & Strategy

Jan 2023 - Dec 2023

George Brown College | Toronto, Ontario

### Bachelors in Computer Engineering

Jul 2014 - Jun 2018

Guru Nanak Dev University | Amritsar, India

## CERTIFICATIONS

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### Scrum Fundamentals Certified (SFC)

SCRUMstudy

### Certified Ethical Hacker (CEHv10)

EC-Council

### Certified Cloud Practitioner (In Progress)

AWS