

Chetan Rajpal

IT Professional

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Portfolio: <https://chetanrajpal.github.io>

PROFILE

- Motivated IT graduate student with 3+ years of professional experience in web application development. Seeking to apply my sound technical skills to advance my career in the IT industry.
- Experience on AWS cloud services like EC2, S3, RDS, ELB, EBS, VPC.
- Skilled at Software Development Life Cycles Agile technologies and waterfall.
- Experience in setting up of Docker and creating new images and getting images from Docker Hub, worked on Docker images and containers for deploying applications.

TECHNICAL SKILLS

Operating System - Linux, Windows, Macintosh.

Programming Languages - Java, JavaScript, ReactJS, NodeJS, Python, C, C++.

Linux Skills - Bash, Samba, Shell Scripting, Apache.

DevOps Skills - PowerShell, GCP, AWS, Azure, CloudFormation, Docker, Kubernetes, Git, GitHub, GitHub Actions, Debugging, Jira, Confluence, CI/CD, Jenkins, YAML.

Cyber Security Skills - Cyber Forensics, SIEM, IDS, IPS, Firewall, Vulnerability Assessment, Penetration Testing, Incident Response, Network Security, IoT Security, TCP/IP.

EXPERIENCE

York University, Toronto - *Research Assistant/ DevOps Engineer*

JUNE 2022 - SEPTEMBER 2022

- Worked as a Backend and Dev-ops Developer on York University's digital currency project.
- Improved geolocation of the bitcoin miners by using Block-cypher API and filtering out IP Addresses to generate heat for mapping CO2 emissions from mining and displayed it on the website.
- Responsible for developing CI/ CD pipelines using GitHub Actions to deploy docker container images of project's web application to AWS s3 platform.
- Improved Web application load times and managed incoming traffic by using AWS ELB.
- Responsible for creating and maintaining AWS IAM user roles and policies.

Agile Softech Pvt Ltd - *Software Developer*

JUNE 2017 - SEPTEMBER 2020

- Lead Frontend Developer for the company's various clients for their web apps and website designing.
- Exhibited Leadership skills by leading a group of frontend developers for the development of Human Resource Management software based on MERN stack which increased the company's efficiency by 60%.
- Demonstrated professional presentation and communication skills by demonstrating design ideas to the clients.

EDUCATION

York University, Toronto - *Post-Grad Certificate Backend and Blockchain Development*

SEPTEMBER 2021 - JUNE 2022

GPA - 3.75

Relevant Courses - Fundamentals of Blockchain, Applications of Blockchain, Server-side Programming (Node.JS), Database Design (MongoDB, MySQL), DevOps and Deployment.

Centennial College, Toronto - *Post-Grad Certificate Cyber Security*

SEPTEMBER 2020 - APRIL 2021

GPA - 3.65

Relevant Courses - Cyber Forensics, Ethical Hacking, Cyber Attack and Defense, Cloud Security and E-commerce & Web Security.

Jaypee Institute of Information Technology, Noida, India - *B. Tech Electronics and Communications Engineering*

AUGUST 2013 - JUNE 2017

CGPA - 6/10

PROJECTS

Real Estate Marketplace for Dwella Investing Co. Capstone Project - *York University*

- Collaborated with a group of 3 students to develop a real estate marketplace for a company Dwella Investing Co.
- Designed the UI/UX of the marketplace website and created API calls for the backend server.

Detecting Covert Channels using Machine Learning Techniques Capstone Project - *Centennial College*

- Collaborated with a group of 4 students to detect covert channels in a network using various techniques and demonstrated my technical skills for creating a virtual network and generated thousands of TCP packets in different covert channels using tunnel shell.
- Awarded ICET award at SETAS Technology Fair.

Propmine (Real Estate Web Portal) - *Freelance Project*

- Designed and developed a web portal for a local real estate company (buy, rent and sell).
- Managed every operation from development to deployment of the web portal.
- Languages used - JavaScript, HTML, SQL.

AWARDS

ICET award at SETAS Technology Fair for the project at Centennial College.

Certificate of Appreciation for delivering a lecture on Cyber Security at Silver Line Prestige School.

CERTIFICATION

National Small Industries Corporation, New Delhi, India – *2 months Certification Course in Cyber Security and Cyber Forensics.*

JUNE 2017 - AUGUST 2017

Bharat Electronics Limited, Ghaziabad, India – *3 months Summer Training/Internship at Radars and Communication Department of BEL.*

JUNE 2016 - AUGUST 2016

Delhi Metro Rail Corporation, New Delhi, India – *2 months Winter Training/Internship at Signaling and Communication Department of DMRC.*

NOVEMBER 2015 - JANUARY 2016