

Rohit Shyla Kumar

<https://rohit-shyla-kumar.github.io/>

Education & Certifications

RedHat Certified Engineer (RHCE)

Expertise in automation with Ansible (May 2023)

RedHat Certified Systems Administrator (RHCSA)

Expertise in Linux system administration (Mar 2023)

City University of Hong Kong

Bachelor of Science in Creative Media (Aug 2016 – Jun 2019)

CGPA: 3.71 Dean's List of Honor

Skills

- Impeccable spoken and written communication skills in English
- Architecting technical solutions from a first principles mindset, designing, and developing algorithms
- Configuring infrastructure as code, troubleshooting from the Operating System layer to application layer, Building APIs, Automating Testing, Maintenance & Reporting for distributed software systems
- Statistical modelling, data science and machine learning, and most importantly - expertise in AI ethics & philosophy
- Experienced with C, C++, JAVA, Python, JavaScript, C#, Ansible, Jenkins
- Deep knowledge on UNIX platforms and operating system fundamentals
- Understanding the latest disruptive technologies, different revenue models and digital business strategies
- In depth experience working in large organisations taking automation initiatives from drawing board to production ready
- Excellent at moving across domains to fulfil large scale project requirements at the microscopic and macroscopic level

Employment Summary

Hong Kong Shanghai Banking Corporation (HSBC) Jul 2019 – Present

Technical Specialist, DevOps & Automation Engineer (Jan 2024 – Present)

- Solving the secret zero problem using automation to rotate keys in HashiCorp Vault. Created a wrapper for devops teams to use vault to manage secrets
- Developed crucial automations for our Internal Cloud Platform such as
 - o Server build and provisioning
 - o Provisioning tooling agent landing accounts
 - o Configuration drift remediation
- Work directly impacting over 30k servers across HSBC estate

Consultant Specialist, Linux Systems Engineer (Aug 2021 – Mar 2024)

- Use my unique skill set as a Linux system administration with experience in programming - tasked to transform our current RHEL estate using automation to be more resilient and efficient

- **Certified Enterprise Engineer** - Role Model of my Technical and Leadership training cohort
- Jenkins, Ansible, Python, and shell scripting to create automation pipelines to produce RHEL OS layer 1 images used globally throughout HSBC
- CI/CD for APIs consumed by application teams throughout the bank
- Application and infrastructure monitoring with Splunk and xMatters
- Work directly resulted in a decrease of time taken to prepare and release Linux Images from 10 days to 2 days. Increasing the efficiency of the team greatly

Technology Graduate (Jul 2019 — Aug 2021)

- Project Lead and engineer for the infrastructure data dashboard within Enterprise Services
- Automating workflows across the bank's global functions, example - end to end patching of our internal cloud infrastructure
- Designing and implementing system level APIs to monitor patch status, build version and other system fundamentals from cloud and on-premise machines
- API design using Anypoint and implementation using Mule, Ansible, Puppet, JAVA

Composers and Authors Society of Hong Kong

Jun 2018 – Sep 2018

IT Intern

- Development of AI systems to identify copyright violations and lyric generation
- Working with Oracle databases for big data analysis using Python and SQL

Horus Intellisys

May 2017 – Sep 2017

Design Engineer Intern

- Systems programming and classifier development for India's first Advanced Driver Assistance System
- C and C++ based application heavily focused on optimization of a Computer Vision application. Used gdb and g++ to debug and build the application in the Linux environment

Projects

AI for General FPS - Research and Development (May 2018 — May 2019)

Autonomous agents that can play multiple first-person shooter games like Doom and Counter Strike

Aid for Visually Impaired Bowlers - Software Engineer (Nov 2017 — May 2019)

Image processing application that assists blind bowlers. Funded by Jockey Club Youth Empathy Project

Data Science for India - Curriculum Developer (May 2017 — Dec 2018)

Program based out of UC Berkeley seeking to promote the interdisciplinary field of data science in India through outreach

Awards and Honors

University Competitive Programming Team (2018)
HKSAR Government Scholarship (2018-19)
HKSAR Talent Development Scholarship (2017)
The Best of the Best Awards - Best Innovation (2017)
Smarter Life Aided by Robots - Built a medicine dispenser robot - 1st place (2017)
1st Place from TEDY Makathon - Aid for Visually Impaired Bowlers (2017)
World Federation of the United Nations Association's International Model UN -
Won at the United Nations Headquarters (2017)

Interests

Philosophy, ancient cultures, international relations, investing, theatre, football, cricket, gaming, writing