

Redwan Chowdhury

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Experience:

Linux System Administrator, Dean & Company, Tysons VA Feb 2023 – Present

- Automated routine workflows using 50+ Python, Bash, & Shell scripts scheduled with launchd & cron jobs, which resulted in a 30% increase in team productivity while code was versioned in Gitea.
- Configured HashBackup with Backblaze B2 buckets to automate secure backups & enable full device restorations; monitored backup health across macOS devices using Humio, Sal, & Alerta.
- Deployed 1,000+ software packages via Munki, Airwatch & Google MDM while executing 200+ macOS device migrations, including 100+ onboardings & offboardings, ensuring seamless employee transitions with minimal downtime.
- Administered & maintained 30+ Parallels virtual Windows environments on macOS devices, provisioning licenses via the Microsoft Admin Portal & enrolling each VM into Entra ID for centralized identity & device management.
- Managed endpoint security for 60+ Windows machines using Trend Micro Apex Vision 1 Software, successfully defending against 1000+ cybersecurity threats & attacks.
- Managed & maintained the asset inventory server & database using MySQL & SQLite, ensuring the accuracy of hardware records & retrieval of critical information for decision-making & reporting.

System Administrator, Pikasso Swig, Charlottesville VA May 2021 - Aug 2021

- Resolved 500+ support tickets using Jira, while building 1,000+ Confluence documentation which streamline troubleshooting for 15+ employees, reducing repeat tickets & improving efficiency.
- Collaborated with a team of 3 engineers to develop & maintain a business website for 1,000+ customers using HTML, CSS, & JavaScript, contributing to a 12.5x increase in revenue.
- Conducted front-end unit & cross-browser testing across 100+ test cases to ensure consistent UI performance & functionality across Chrome, Firefox, & Safari.

Junior System Administrator, I.T. Services at UVA, Charlottesville VA Jan 2020 – May 2020

- Resolved 1,500+ tickets via ServiceNow for 500+ staff, covering hardware, software, & access.
 - Managed user access, permissions, & 2FA enrollment for new & exiting employees while maintaining internal device inventory to ensure secure provisioning & accurate asset tracking.
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Projects:

Bangla Language Teacher Application Aug 2025 – Present

- Built an interactive Bangla vocabulary quiz app using React (frontend) & Flask (backend), with Google authentication, RESTful APIs, & Heroku deployment, resulting in 100+ users actively using the platform to practice & improve their Bangla language skills.

Hometown Mentors Application May 2022 – Sep 2022

- Developed an iOS app using Xcode & Swift for the Hometown Mentors Program, enabling students to access mentorship resources & schedules; achieved 100+ downloads & 20+ high ratings.
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Education:

University of Virginia, Charlottesville, VA

B.A. in Computer Science

- Relevant Coursework: Data Structures, Databases, Python, Java, Algorithms, & Data Science with R.
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Skills & Certifications:

- **Development:** Linux (Pro), Python (Pro), Java (Pro), SQL (Familiar), Jira, Confluence, Munki, Windows, MAC, Office, Git, Trend Micro, Tailscale, Slack, 1password, Parallels Virtual Machine.
- **Certifications:** Red Hat Certified System Administrator (RHCSA) – *Expected Nov 2025*.
 - Red Hat Certified Engineer (RHCE) – *Expected Dec 2025*.