Matteo Guidi

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Education

Toronto Metropolitan University (formerly Ryerson University) Toronto, ON
B.Sc. (Hons) in Computer Science, Co-op *Expected 2027*
- **Dean's List**, Faculty of Science (2023–2024)
- **Microsoft Certified:** Azure AI Fundamentals & Power Platform Fundamentals

Work Experience

Software Developer Sept 2024 – Present
RBC *Toronto, ON*
- Implemented Snyk into RBC's Java CI/CD pipeline, enabling proactive identification and remediation of 1.4M+ CVEs; enforced security compliance with OPA policies for 11k+ developers, achieving 100% automated blockage of critical vulnerabilities before deployment.
- Migrated container image pipelines from Jenkins to GitHub Actions utilizing matrix build strategies in an Agile environment, reducing average deployment times by 75%.
- Enhanced a Python microservice to automate temporary Vault password cleanup, reducing manual tasks by 20%.

Junior HR System Analyst June 2024 – Sept 2024
Toronto Metropolitan University *Toronto, ON*
- Maintained and optimized core HR data in PeopleSoft HCM, boosting data integrity for Power BI dashboards and managerial reporting.
- Improved SQL query efficiency by 10%, reducing report generation time and enhancing system performance.
- Collaborated with cross-functional stakeholders to deliver custom Excel reports within one day, providing actionable insights for university-wide HR decisions.

Cloud Systems Intern May 2023 – July 2023
Wiser S.r.l *Livorno, Italy*
- Implemented Docker on Ubuntu, increasing storage efficiency by 30% with custom images and Docker Compose.
- Automated UNIX backups using Bash scripting and ZFS, minimizing downtime and enhancing reliability.
- Deployed Jitsi Meet via Docker with Apache2 reverse proxy, improving server resource allocation and video conferencing performance.

Projects

ⓖ Autonomous Rover | *Python, Arduino, Raspberry Pi, OpenCV, JavaScript, AWS EC2*
- Built an autonomous rover with Python, RoboFlow, Arduino, and Raspberry Pi, achieving 99.5% detection accuracy.
- Developed a highly accurate obstacle avoidance system with OpenCV, promoting teamwork and innovation.
- Created a live fire alert dashboard using HTML, CSS, JavaScript, and AWS EC2, boosting emergency response capabilities.

ⓖ Email Unsubscription App | *Python, Gmail API, Node.js, React.js, GraphQL, MongoDB*
- Built an email parser using Python, Gmail API, BeautifulSoup, and Selenium, reducing unsubscription processing time by 75%.
- Developed a React.js interface with GraphQL, improving email management efficiency and user engagement.
- Designed a MongoDB database in a Node.js environment, ensuring high-performance data handling.

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, Lisp, Bash, C, SQL
Frameworks: Spring Boot, React.js, Node.js, Prisma
Tools: Git, Docker, GitHub Actions, Jenkins, Power BI, Excel, Postman
Databases: PostgreSQL, MongoDB
Platforms: Linux, Ubuntu Server, OpenShift (OCP4), HashiCorp Vault, Artifactory, GraphQL, REST APIs, Apache2, ZFS

Leadership & Involvement

Director of Outreach Sept 2023 – May 2024
Computing Councils of Canada *Canada*
- Led nationwide outreach to establish new university-level computing clubs, increasing partnerships by 25%.
- Coordinated executive meetings across 4 time zones, improving governance and communication channels.