

# Juan Colon

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## SUMMARY

Computer Science student with strong project-based experience in software development, digital automation, and cloud technology. Developed CI/CD pipelines enhancing deployment efficiency by automating testing processes using Python and Bash. Collaborated with peers across projects to create observability dashboards for real-time application monitoring, ensuring continuous delivery of high-quality applications. Contributed to research on infrastructure as code employing AWS CloudFormation, demonstrating the impact of effective resource management. Aiming to apply this knowledge collaboratively within a dynamic team at TechWave Solutions, optimizing cloud capabilities through innovative solutions.

## EDUCATION

### Bachelor of Science in Computer Science

University of Illinois GPA: 3.8

2027

Champaign, IL

*Coursework: Data Structures, Operating Systems, Cloud Computing, Software Development*

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, Perl, JavaScript
- **Continuous Integration Tools:** Jenkins, Travis CI, CircleCI
- **Infrastructure as Code:** AWS CloudFormation, Ansible, Terraform
- **Cloud Services:** AWS, Microsoft Azure, Google Cloud Platform
- **Containerization:** Docker, Kubernetes, OpenShift
- **Version Control Systems:** Git, GitHub, Bitbucket
- **Web Technologies:** Node.js, React, Bootstrap
- **Scripting Languages:** Bash, PowerShell
- **Monitoring Tools:** Grafana, Prometheus, ELK Stack
- **Agile Methodologies:** Scrum, Kanban, Lean

## SKILLS

- Python
- Java
- AWS
- CI/CD
- Bash
- JavaScript
- Ansible
- Docker
- Git

## EXPERIENCE

### DevOps Cloud Intern

University Project

January 2026 - Present

Remote

Designed and implemented a CI/CD pipeline supporting a cloud application project. Focused on automating deployment steps to ensure rapid releases and minimal downtime. Engaged collaboratively in peer reviews and agile ceremonies, including sprints and stand-ups. Oversaw corrective actions when complications arose during integrations, maintaining stringent operational standards while meeting project deadlines.

- Automated the CI/CD processes using Python scripts, decreasing human error occurrences.
- Crafted observability dashboards utilizing Grafana to enhance performance tracking metrics.
- Assisted cross-functional teams in deploying cloud resources effectively, improving scaling operations.
- Conducted feedback sessions to refine tools integrated into the product pipeline.
- Participated actively in scrum meetings emphasizing collaboration and transparent communication.
- Evaluated results systematically, applying insights for improvements in future deployments.

### Cloud Solutions Research Assistant

Academic Research

September 2025 - December 2025

Chicago, IL

Engaged in pioneering research focusing on automation techniques within cloud environments. Collaborated closely with faculty and fellow students, enabling seamless dissemination of findings through formal presentations. Documented methodologies and conducted training sessions to educate peers on cloud technologies.

- Utilized AWS CloudFormation to design prototypes showcasing speed advantages in resource setups.
- Presented groundbreaking research at departmental seminars, augmenting public speaking skills.
- Compiled academic papers contributing to tech community knowledge base and attended conferences.
- Concocted comprehensive guides for undergraduate use on IaC frameworks aiding learning processes.
- Worked cooperatively with research teams troubleshooting issues within cloud implementations.

- Maintained measurable timelines ensuring adherence to project objectives throughout the term.

## Software Development Team Member

March 2025

### Hackathon Project

Chicago, IL

Collaborated in a high-pressure hackathon environment to deliver a web-based application from concept to prototype within 24 hours. Fostering teamwork, brainstormed ideas that led to adaptable features for end-users.

- Designed a user-friendly interface streamlining navigation and interactions for better usability.
- Employed Node.js and JavaScript creating responsive components facilitating faster data handling.
- Implemented automated tests guaranteeing functional and non-functional requirements adherence.
- Received accolades for innovation reflecting significant application insight during final presentation.
- Communicated concepts clearly requesting input ensuring diverse perspectives influenced outcomes.
- Synthesized complex challenges into manageable tasks resulting in a successful pitch delivery.

## LEADERSHIP & AWARDS

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- Dean's List, University of Illinois (2025)
- 2nd Place, Tech Innovation Hackathon (2025)

## CERTIFICATIONS

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- AWS Cloud Practitioner 📅 2026
- Microsoft Azure Fundamentals 📅 2026

## PROFESSIONAL AFFILIATIONS

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- Member, Computer Science Club (2024 – Present)
- Volunteer, Coding for Kids Program (2024 – Present)

## LANGUAGES

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- English (Native)
- Spanish (Proficient)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST