

Intern Employment Opportunities

Software Engineer Intern (1565)

Our Interns will apply their education to meaningful projects in a team environment alongside a technical mentor. You will be exposed to many levels of management within our company concluding with an end of summer presentation to the executive team. Throughout the summer you will have the opportunity to acquire technical and professional skills, to participate in team building activities, and to enjoy social events in the Rocky Mountain region.

JOB DUTIES AND RESPONSIBILITIES

- Collaborate with software development engineers to design, implement, and maintain automated tests for various components of our digital inkjet printers.
- Integrate automated tests into our CI pipeline, ensuring seamless and efficient test execution during the development cycle.
- Assist in developing scripts and tools to enhance the automation of testing processes.
- Work with the team to identify areas for improvement in the existing CI pipeline and propose solutions to optimize code quality and build efficiency.
- Assist with various SW development projects and field issues.
- Participate in code reviews, team meetings, and brainstorming sessions to contribute ideas and solutions.
- Performs other duties as assigned.

QUALIFICATIONS (Education, Experience, and Certifications)

- Student must be currently enrolled in an accredited college or university
- Students should be pursuing a degree in Computer Science, Computer Engineering or a related major
- Students must have a cumulative GPA of 3.0 or higher
- Students are to successfully complete all required screenings prior to hire

KNOWLEDGE, SKILLS AND ABILITIES

- Enrolled in a bachelor's or master's degree program in Computer Science, Computer Engineering or related field
- Proficient in C++ and Python programming languages
- Familiarity with automation frameworks and tools
- Experience with CI/CD tools such as Jenkins and GitLab CI/CD, including pipeline creation and management
- Familiarity with software version control best practices
- Experience with image processing and computer vision libraries
- Familiarity with hardware-software integration testing

SW Engineer Intern (1566)

The Development Linux and AIX Support Intern position is within Ricoh Digital Services Business Center (DSBC) in Boulder, Colorado. The Intern will be an integral member of a Development Support team which provides support and solutions, including the creation of automation tools, for multiple software product development teams. The successful candidate should be knowledgeable in Linux, specifically with bash and python scripting, and have a desire to learn system administration and automation programming. They would also need abilities in multitasking, self-direction, and collaboration in a team environment.

Summer Project:

The Support Intern will learn, assist team members, and complete technical tasks to support, automate, and enhance development systems management. The Support Intern will be assigned a project to evaluate, improve, and automate important system or tool functions (i.e., security, server management, AWS management). The project will require the Intern to understand current implementation, research and propose improvements, and complete technical tasks that will enhance our organization's Development Support and User teams requirements.

The project would benefit the Intern by learning (1) Operating Systems and networking technology, (2) AWS Infrastructure environment, (3) Automation tools, and (4) Learn and collaborate with Development Support technical experts and professionals. The candidate will be provided with an opportunity to learn how the Support team manages, improves, and supports an AWS Cloud Infrastructure and Development servers and networks.

Candidate will be exposed to:

- Automation programming
- Operating Systems (Linux, Windows) and networking technology
- Cloud technology (AWS)
- Agile Scrum Methodology
- Software Product Development, Quality, and Support
- Project Research, Implementation, and Executive Presentation
- Team building and Networking Activities

JOB DUTIES AND RESPONSIBILITIES

Our Interns will apply their education to meaningful projects in a team environment alongside a technical mentor. You will be exposed to many levels of management within our company including:

- Recommends solutions to problems/issues that impact the project
- Determines and examines software alternatives
- Contributes to project planning
- Constructively challenges and improves processes related to the specific assignment
- Documents own work
- Present project overview and summary to executive team at end of internship
- Performs other duties as assigned

QUALIFICATIONS (Education, Experience, and Certifications)

- Working towards a B.S. or M.S. in Computer Science or Information Technology
- Student must be currently enrolled in an accredited college or university or enrolled to continue their education in an accredited graduate program
- Students must have a cumulative GPA of 3.0 or higher
- Students are to successfully complete all required screenings prior to hire

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of Linux and Windows Operating System Installation, Support, and Troubleshooting
- Interest in learning System support and configuration
- Interest in languages (e.g., Bash, Python, Ansible, JavaScript, PowerShell)
- Analytical and problem-solving skills
- Knowledge of Agile software development and support
- System skills on Linux and Windows platforms
- Strong communication and teaming skills Ability to work both independently and in a collaborative team environment
- Effectively uses teamwork skills to interact and collaborate on technical issues with mentor / team
- Positively contributes to a high morale/high-performance team culture

Software Development Intern (2034)

The Intern will gain hands-on work experience by participating in work projects in the focus areas of Ricoh Graphic Communications. They will assist in the completion of projects while learning in a professional environment.

JOB DUTIES AND RESPONSIBILITIES

- Supports the specific functional area on special projects
- Works closely with assigned manager to learn and understand the diverse issues of the assigned function.
- Researches, provides analysis, and offers solutions relating to a variety of functional projects
- Assists with daily activities of assigned function.
- May perform a variety of tasks at the direction of the management team
- Performs other duties as assigned.

QUALIFICATIONS (Education, Experience, and Certifications)

- Student must be currently enrolled in an accredited college or university.
- Students should be pursuing a degree in Math, Computer Science, Computer Engineering or a related major.
- Students must have a cumulative GPA of 3.0 or higher
- Students are to successfully complete all required screenings prior to hire

KNOWLEDGE, SKILLS AND ABILITIES

- Programming experience C/C++.
- Scripting in Bash/Python.
- Experience/Interest in Large Language Models / Deep Learning.
- Strong analytical and problem-solving skills.
- Detail oriented and organized.
- Superior interpersonal and written communication skill.
- Highly motivated with the ability to multi-task
- Possesses proficiency in Microsoft Word, Excel, PowerPoint

SW Engineer, Microservice Intern (2 openings) (2331)

Develop an integration framework to deploy an ecosystem of microservices that provide high value production print services. The project requires getting existing hosted services to work together and harvesting existing on-premise services as required. Services may include PDF file hosting, transforms, viewers, preflight, imposition, workflow automation, and print production. New API based serverless cloud-native (AWS, Lambda, SNS) microservices will be developed and deployed on an existing SaaS platform with a mature Lake House. The work will be done in a Scrum (Agile) and automated environment. Security, performance, reliability and cost will be key metrics to optimize. A multidisciplinary intern team will be formed to include software development, CI/CD (Gitlab, Jenkins), Quality Development Engineering, User Experience Design, and Product Management. The project will take the services from start, all the way to production and the hope that by the end of the summer be running with real customers. Additionally, explore best practices for early security vulnerability identification. The project may also include opportunities for Patents. Our Interns will apply their education to meaningful projects in a team environment alongside a technical mentor. You will be exposed to many levels of management within our company concluding with an end of summer presentation to the executive team. Throughout the summer you will have the opportunity to acquire technical and professional skills, to participate in team building activities, and to enjoy social events in the Rocky Mountain region.

Job Duties and Responsibilities

- Our Interns will apply their education to meaningful projects in a team environment alongside a technical mentor. You will be exposed to many levels of management within our company concluding
- Recommends solutions to problems/issues that impact the project
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- Documents own work
- Present project overview and summary to executive team at end of internship

Additional Information:

Will include creating new or modifying an existing microservices based Ricoh TotalFlow Cloud applications running in the AWS ecosystem.

QUALIFICATIONS (Education, Experience, and Certifications)

- Working towards - B.S., M.S., or PhD. degree in Computer Science, Computer Engineering, or a related field
- Student must be currently enrolled in an accredited college or university or enrolled to continue their education in an accredited graduate program
- Students must have a cumulative GPA of 3.0 or higher
- Students are to successfully complete all required screenings prior to hire

Knowledge, Skills, and Abilities:

Required Skills:

- Java, Python, JavaScript (NodeJS), C++ or other similar programming language
- Knowledge of data structures and algorithms

Preferred Skills:

- REST APIs
- AWS
- Docker
- Jenkins
- Agile Scrum software development experience
- AWS Lambda
- Microservice development experience
- Cybersecurity

SW Engineer Intern, Process Automation (2476)

The Advanced Solutions Practice (ASP) professional services intern will work on building process automations (Jenkins CI/CD) and resellable RICOH ProcessDirector extensions (primarily in Java and JavaScript) to enhance the implementation team's tool suite, profitability, and solution delivery efficiency.

The intern will collaborate closely with a mentor and other members of the ASP team to identify requirements, design solutions, and implement and test products and tools.

The work will be performed in an Agile environment with a multidisciplinary team consisting of software engineers and solution-implementation engineers.

JOB DUTIES AND RESPONSIBILITIES

Required Skills:

- Java
- JavaScript
- Knowledge of Windows and Linux operating systems
- Strong communication and teaming skills
- Analytical and problem-solving skills

Preferred Skills:

- REST APIs and JSON
- Postman experience
- Jenkins automations server
- Linux Shell scripting

QUALIFICATIONS (Education, Experience, and Certifications)

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ADDITIONAL INFORMATION

Technologies used:

- Version Control: Git, SVN, GitLab
- IDE: Eclipse, IntelliJ
- Programming Languages: Java, JavaScript, Groovy, shell scripting, Perl
- CI/CD: Ivy, Jenkins, Artifactory
- Project Management: Jira
- Operating Systems: Linux, Windows
- Data Formats: XML, JSON, CSV, PDF, AFP
- APIs: REST API, Postman
- Other Tools & Technologies: JUnit, Mockito, RICOH ProcessDirector (RPD), VMware, Tomcat, Office 365, CoPilot
- Databases: DB2, PostgreSQL

Web Application Development Intern (2770)

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Job Duties and Responsibilities

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QUALIFICATIONS (Education, Experience, and Certifications)

- Working towards - B.S., M.S., or PhD. degree in Computer Science, Computer Engineering, or a related field
- Student must be currently enrolled in an accredited college or university or enrolled to continue their education in an accredited graduate program
- Students must have a cumulative GPA of 3.0 or higher
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Knowledge, Skills, and Abilities:

- Web Application Development
- Java, JSON, HTML5, JavaScript, CSS
- Scripting Language: Python, PowerShell, Windows batch(.bat)
- Desired Knowledge / Experienced with Tomcat, Postgres DB
- General prototyping skills
- Strong debugging and analytical skills, a problem solver's attitude
- Ability to work both independently and in a collaborative team environment
- Effectively uses teamwork skills to interact and collaborate on technical issues with mentor / team
- Positively contributes to a high morale/high-performance team culture