



University of
Pittsburgh®

Informatics and Networked Systems
School of Computing and Information

You are receiving this email because you are enrolled in the MSIS/MST graduate degree programs within the Department of Informatics and Networked Systems at the School of Computing and Information. Each weekly newsletter will feature important updates on career/academic and job opportunities, department and school events, enrollment guidance and upcoming academic deadlines.



Available in Person in IS Building Room 706 each Tuesday from 1pm to 2:30pm.

We hope that your Spring Term has been going well. Enrollment Appointments are coming up. Do you have questions about enrollment for Fall 2024?

The Department of Informatics and Networked Systems is going to host an Advising Session for Continuing Graduate Students on Tuesday, March 19. This event will offer you a great opportunity to discuss your degree program, progress, and professional goals with DINS faculty and staff. This will be hosted by our Department Advising Committee and will include faculty representing several of our academic areas of strength including Human-Centered Computing, Information Security, Big Data, Networks, and more.

Here are the details:

Tuesday, March 19, 2024

1pm-2:30pm-Advising Sessions for Continuing Graduate Students

Room 316, Information Sciences Building

Please RSVP at the following link: https://pitt.co1.qualtrics.com/jfe/form/SV_6Mq7SRpW7avMbpl

IT Infrastructure Engineer

Power Integrations

San Jose, CA

(Onsite)

Role Description

Sr. IT Infrastructure Engineer

Reporting to the Systems Engineering Manager and in close association with the Network Infrastructure team, the Sr. IT Infrastructure Engineer will provide advanced technical skills in PI's storage and compute infrastructure:

- Document, stabilize, maintain and optimize the storage and server infrastructure world-wide
- Architect and scope required hardware, software, storage and network environments for existing and future requirements and projects.
- Prepare detailed project proposals and budgets and oversee and manage implementation.
- Assist in identifying and vetting key vendors and technologies to improve efficiency and drive down costs.
- Comfortable and capable explaining technology and business requirements to internal cross-functional stakeholders and vendors alike.
- Follow and enhance IT Governance activities, including SOX audits and CSF/ISO certifications
- Available and comfortable for infrequent travel (including international) to remote data centers and points of service.

Responsibilities and Activities

This role will provide hands on Infrastructure support, on-call L2 support and support for escalated issues from other IT team members as well as other cross-functional departments. You will resolve implementation and integration issues and communicate system requirements to meet business objectives.

Extensive hands on experience and expertise with the majority of our server and storage technology stack including:

- Commvault Enterprise Backup
- Rubrik Cloud Data Management
- EMC VNX and EMC Isilon
- Dell VRTX
- Nutanix Hyperconverged Infrastructure
- Dell Power Vault (Direct attach and iSCSI)
- Windows Server (all versions) familiarity
- Microsoft Exchange, Exchange Online

- Microsoft SharePoint
- Microsoft Azure/Office 365
- Amazon Web Services Infrastructure
- Enterprise monitoring platforms such as PRTG

Additional Desired Capabilities:

- Understand how technologies are integrated to produce efficient and effective business outcomes for all stakeholders is a key requirement.
- Proven ability to develop and improve the Infrastructure's security posture at all layers.
- Successfully designed and delivered multiple Infrastructure projects for an International company.
- Knowledge of industry Best Practices
- How to rationalize and communicate Costs vs. Benefits and stick to the agreed on budget
- Effectively communicate, cooperate and collaborate across the both organization and our vendors

[IT Infrastructure Engineer](#) | [Power Integrations](#) | [Handshake \(joinhandshake.com\)](#)

2024 Summer - Software Developer Intern

Immutable Labs
Remote

Role Description

About Us:

Immutable Labs stands at the cutting edge of technology and innovation, committed to delivering pioneering solutions and engaging educational content to our audience. We are eager to welcome a multifaceted and talented Summer SWE Intern with a focus on Web3, AI, and Python development to our dynamic team. This role is an exceptional opportunity for individuals passionate about blockchain technology, web development, and software programming, offering a platform to gain comprehensive hands-on experience and contribute to groundbreaking projects in decentralized AI.

What You Will Do:

- Python Development: Work alongside our experienced backend developers to enhance and manage our backend systems using Python. You will be instrumental in maintaining and improving our existing FastAPI Python backend, optimizing Python code to boost functionality and performance, and managing deployment using AWS Linux containers.
- Database and System Management: Take charge of updating, managing, and troubleshooting our MongoDB database. Your role will also encompass employing bash scripting and Docker for streamlined system management and deployment.

What We're Looking For:

- A foundational proficiency in software development, with a keen interest in learning and adapting to Web3 technologies (e.g., Solidity, Ethereum, IPFS) and a strong command over Python programming.
- Experience or familiarity with FastAPI, AWS services, Linux containers, MongoDB, bash scripting, and Docker is highly desirable.
- Creative problem-solving skills, an analytical mindset for complex challenges, and a detail-oriented approach to tasks.
- Excellent communication abilities and a collaborative spirit, capable of working effectively within a team environment and managing multiple projects under tight deadlines.
- A robust passion for blockchain technology and software development, coupled with an eagerness to stay updated on the latest trends and advancements in the field.

[2024 Summer - Software Developer Intern | Immutable Labs | Handshake \(joinhandshake.com\)](#)

*For those planning on graduating in Spring of 2024 (otherwise known as term 2244 in PeopleSoft), you must apply to graduate to get your diploma (**and, of course, successfully complete all appropriate coursework**)!*

Here is the timeline for Term 2244:

Graduation Application Closes - 4/1/24

If you are working on a Master's or Doctoral Thesis.-Final Day for ETD Paperwork & D-Scholarship Upload - April 22, 2024- ([What to Do After You Defend Your Thesis/Dissertation | Electronic Theses and Dissertations \(pitt.edu\)](#))

*******Please be advised, that if you have any questions, you can always reach out to me via email (jap306@pitt.edu) and phone number (412-383-4212). *******

Regards,

James Petraglia (Pa-trail-ya)