

Applications Architect
Tufts University

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Posted Oct. 6, 2025, set to expire Feb. 18, 2026

Job Title	Applications Architect
Department	Tufts Technology Services (TTS)
Institution	Tufts University Medford, Massachusetts
Date Posted	Oct. 6, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
Job Website	https://jobs.tufts.edu/jobs/22407?lang=en-us&iis=Job+Board&iisn=AcademicKeys
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Job Description	

Overview

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Tufts Technology Services (TTS) is a university-wide service organization committed to delivering adaptable, results driven technology solutions in support of Tufts' mission of teaching, learning, research, innovation, and sustainability. With staff working remotely, hybrid and on campus across Tufts University, as well as a 24x7 IT Service Desk, we collaborate with schools and divisions to meet the demands of a global, mobile, and diverse community. We promote a collaborative, forward-thinking, flexible work environment, embrace diversity and inclusion, and encourage personal and professional development.

Fostering a culture of organizational citizenship and making others successful, demonstrating integrity, ethical conduct and optimism, active contribution and continuous learning enables staff to serve the goals and values of the University and creates a fulfilling and positive work experience for all.

What You'll Do

Working with the Associate director, the Application Architect provides technical leadership for next-generation ERP architecture, API-driven integrations, and hands-on development across HCM and Finance domains. The role focuses on maintaining the existing on-premise PeopleSoft HCM and Finance platform while spearheading its transformation to a cloud-native, microservices-based, AI-enabled ERP ecosystem that leverages emerging technologies like machine learning, and low-code automation, while also working on moving the legacy ERP to its next generation future. The architect builds scalable solutions using modern DevOps practices, performs advanced data engineering and analysis, resolves complex technical issues, and mentors' developers in cutting-edge best practices. They collaborate with stakeholders to design innovative, digital-first solutions that accelerate business value while ensuring quality, security, and delivery.

Technical Strategy:

- Proactively identify and introduce modern tools, architectures, and practices (API-first integrations, DevOps, data engineering) to enhance the support, evolution, and transformation of HCM and Finance applications and services at Tufts.
- Research emerging technologies and innovative solutions (cloud-native platforms, microservices, AI/ML, low-code automation, predictive analytics, etc.) to address client needs and prepare Tufts for the future ERP landscape.
- Ensure all solutions comply with security best practices, regulatory requirements, and architecture standards.

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- Continue supporting and incrementally enhancing the existing on-premise ERP platform (PeopleSoft) to ensure client satisfaction until the university transitions to a new cloud-based ERP solution.

Mentoring / Code Review:

- Provide mentoring role to staff members
- Perform code reviews and offer feedback
- Set direction on programming standards and help to enforce with all ERP Services team members.
- Ensure ERP Services development staff are provided proper training and related resources on recommended technologies to support the application stacks
- Recommend training and courses of action to improve staff skillsets required to support the applications

Development:

- Leads the development and implementation of solutions using modern application tools and API-based integrations.

Client Management, Support and Administration:

- Partner with HR, TSS, ESCP and Finance stakeholders to deliver technology-driven enhancements that support day-to-day needs across PeopleSoft and other enterprise platforms.
- Own and champion new product implementations from a technology perspective — designing scalable integrations, leading technical execution, and ensuring alignment with future ERP and cloud strategies.
- Provide advanced troubleshooting, performance tuning, and expert-level support for PeopleSoft and related ERP technologies.
- Adhere to and promote Tufts' change management standards, policies, and procedures to ensure operational integrity and compliance.
- Complete administrative responsibilities as required by Tufts, setting a standard of accountability and professionalism for the broader technical team and follow Tufts TTS core values.

What We're Looking For

Basic Requirements:

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- Knowledge and skills as typically acquired through Bachelor's Degree and 8+ years of experience.
- 3+ years of experience using PeopleTools to develop PeopleSoft solutions including the use of PeopleCode, Application Engine, Application Packages, and Component Interfaces.
- 5+ years of experience using Java, Python, API based technologies (REST and SOAP)
- 5+ years of experience working with integration tools, particularly building interfaces with the PeopleSoft ERP and other systems
- Strong organizational skills; demonstrated ability to multitask, set goals and priorities and work effectively under pressure from multiple competing deadlines.
- Strong teamwork skills; demonstrated ability to work effectively across teams to achieve organizational and/or project goals
- Knowledge of the software development lifecycle, version control, and quality assurance and testing practices

Preferred Qualifications:

- Experience in higher education.
- Experience with PeopleTools 8.55 and above
- Experience with ERP transitions and implementations
- Experience with setting up, configuring, and monitoring PeopleSoft Integration Broker
- Knowledge of common web technologies such as HTML, CSS, JavaScript, AJAX, jQuery, JSON, and XML.

Pay Range

Minimum \$128,500.00, Midpoint \$160,700.00, Maximum \$192,800.00

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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