

IT Systems Administrator & Software Developer

EPFL**Location:** EPFL, Lausanne (CH)**Dates/Duration:** Fixed term / 1 year renewable

Mission

The mission of the CIBM IT systems administrator and software developer is to provide high-level IT and administrative support to members of its community across the 5 founding partner institutions (CHUV, UNIL, EPFL, UNIGE, and HUG) and develop software which will contribute to achieve CIBM strategic objectives <https://cibm.ch/the-center/>

Main duties and responsibilities

- Liaise with the IT services of partner institutions (CHUV, UNIL, EPFL, UNIGE, and HUG) to install, maintain, and integrate a biomedical imaging data platform
- Develop and implement new features, adjust microservices on the biomedical imaging platform
- Renewal, management, and ongoing monitoring of the IT infrastructure (servers, workstations)
- IT management of websites and applications
- Administration and user support of the infrastructure and resource booking system
- Ensure the smooth operation of the various video-conferencing systems during events
- Provide support and advice to users, evaluate and select software and IT equipment, procure and set up equipment, customize and configure software
- Manage permissions, access rights, user accounts, and folder configuration for shared storage
- Install and configure individual workstations and peripherals
- Maintain and troubleshoot IT equipment: purchasing, inventory, and issue tracking
- Set up and maintain backup policies for all of CIBM's critical shared machines (including non-standard machines such as scientific equipment) and advise on personal workstations
- Set up and maintain enhanced security on CIBM's servers and sensitive machines (following IT security best practices)
- Implement custom solutions (software and hardware) to meet the specific needs of CIBM's infrastructure
- Create, maintain, and deploy specific internal applications (calendar, project, and purchasing management)

Technical environment & tools

Platform development & integration

- Docker (images, registry), Git, GitLab (also CI/CD), Kubernetes (k8s), Python

Application development

- Next.js, Express, React, Mongo, Mysql, JavaScript, HTML, CSS

Systems & infrastructure

- Windows, Linux, and Mac environments; hardware (processors, memory, graphics cards)
- Server management: iDRAC, Proxmox
- Storage management: Synology, QNAP
- Authentication: keycloak, OIDC

Web & hosting

- WordPress, Infomaniak interface, DNS, emails, SSL certificates

Collaboration & booking tools

- Calpendo (resource booking)
- Cisco, Zoom, Teams (video-conferencing)

Backup & security

- Iperius, Veeam, rsync backup, Borg Backup
- Log analysis tools, confidentiality rules, password management, patch management

Profile

- Higher education degree in computer science (HES, university, or EPF) or equivalent qualification
- Good knowledge of containerization and continuous integration tools (Docker, Git/GitLab, CI/CD); familiarity with Kubernetes
- Basic scripting and task automation skills (bash)
- Basic web development skills (JavaScript/HTML/CSS, frameworks such as Next.js/Express) a plus
- Good knowledge of networks and IT infrastructure
- Experience with Linux, Windows, Windows server (GPO/Active Directory), and Mac administration
- Experience with network storage products (Synology, QNAP) a plus
- Experience with virtualization (Proxmox) and remote server management (iDRAC) a plus
- Strong knowledge of cybersecurity
- Languages: French C1, English C1
- Adaptable and autonomous
- Strong sense of priorities and initiative
- Ability to explain technical topics clearly and communicate with varied audiences

Information

Start Date: as of September 1st, 2026

Activity Rate: 50% to 100%

Contract Type: Fixed Term

Duration: 1 year, renewable

Reference: www.cibm.ch

Send your application here:

<https://careers.epfl.ch/job/Lausanne-IT-Systems-Administrator-&-Software-Developer/1165174155/>



The CIBM Center for Biomedical Imaging was founded in 2004 and is the result of a major research and teaching initiative of the partners in the Science-Vie-Société (SVS) project between the Ecole Polytechnique Fédérale de Lausanne (EPFL), the Université de Lausanne (UNIL), Université de Genève (UNIGE), the Hôpitaux Universitaires de Genève (HUG) and the Centre Hospitalier Universitaire Vaudois (CHUV), with the generous support from the Fondation Leenaards and Fondation Louis-Jeantet.

CIBM brings together highly qualified, diverse, complementary and multidisciplinary groups of people with common interest in biomedical imaging.

We welcome you in joining the CIBM Community!