

Software Engineer (7300U) - Berkeley Seismological Lab
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=261977>

Downloaded On: Sep. 5, 2025 1:53pm

Posted Sep. 3, 2025, set to expire Jun. 30, 2026

Job Title	Software Engineer (7300U) - Berkeley Seismological Lab
Department	Berkeley Seismological Lab
Institution	University of California, Berkeley Berkeley, California
Date Posted	Sep. 3, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Research/Technical/Laboratory
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Job Description

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Software Engineer (7300U) - Berkeley Seismological Lab

About Berkeley

At the University of California, Berkeley, we are dedicated to fostering a community where everyone feels welcome and can thrive. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

As a world-leading institution, Berkeley is known for its academic and research excellence, public mission, diverse student body, and commitment to equity and social justice. Since our founding in 1868, we have driven innovation, creating global intellectual, economic and social value.

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We are looking for applicants who reflect California's diversity and want to be part of an inclusive, equity-focused community that views education as a matter of social justice. Please consider whether your values align with our [Guiding Values and Principles](#), [Principles of Community](#), and [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and provide space for [supportive colleague communities via numerous employee resource groups](#) (staff organizations). Our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our full-time staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. Find out more about how you can [grow your career](#) at UC Berkeley.

Departmental Overview

The Berkeley Seismological Laboratory conducts essential research on earthquakes and solid earth processes while collecting and delivering high quality geophysical data.

We provide robust earthquake and hazard information including real-time alerts to the public, in collaboration with our partners.

We enable the broad consumption of earthquake information by everyone while educating and training students at all levels and from all backgrounds.

This position exists for the development and support of back-end software (server-side) primarily for the MyShake Earthquake Early Warning application.

This is a 100% FTE, 2-year contract position with the possibility of extension and/or conversion to career.

Application Review Date

The First Review Date for this job is: September 12, 2025 - Open Until Filled

Responsibilities

40% - Designs, develops, modifies, debugs, and evaluates code for backend services and real-time processes that support applications, primarily MyShake, as well as other BSL products.

15% - Develops and executes performance/integration testing and coordinated deployment of backend

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services, both cloud-based and on-premise.

15% -Provides analysis for the design and use of databases within the project, recommends and implements changes in development, maintenance and system standards, and understands industry practices and department policies and procedures relating to work assignments.

10% -Troubleshoots the overall health of back-end services and processes, assisting with operational support.

10% -Interacts with senior level internal personnel and meets with other team members, including the training and assisting of users in the use of custom administrative and research tools.

5% -Gathers, analyzes, prepares documentation.

5% -Other tasks as assigned.

Required Qualifications

- Bachelor's degree in related area and / or equivalent experience / training.
- Good computer science fundamentals and programming concepts.
- Advanced skills in Scala/Java.
- Proficient knowledge of REST concepts, server-side distributed application programming concepts.
- Proficient knowledge of databases and messaging brokers (knowledge of SQL and Kafka desired).
- Demonstrated effective communication and interpersonal skills.
- Demonstrated ability to communicate technical information to technical and non-technical personnel at various levels in the organization.
- Self-motivated and works independently and as part of a team. Able to learn effectively and meet deadlines.
- Demonstrated broad problem solving skills.

Salary & Benefits

For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

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Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The budgeted salary or hourly range that the University reasonably expects to pay for this position is \$82,800 to \$130,000 yearly. This is a 100% FTE, 2yr contract position eligible for benefits. This position is FLSA Exempt and paid monthly.

Other Information

This is a 100% FTE, 2-year contract position with the possibility of extension and/or conversion to career.

Conviction History Background

This is a designated position requiring fingerprinting and a background check due to the nature of the job responsibilities. Berkeley does hire people with conviction histories and reviews information received in the context of the job responsibilities. The University reserves the right to make employment contingent upon successful completion of the background check.

Misconduct Disclosure

As a condition of employment, the final candidate who accepts a conditional offer of employment will be required to disclose if they have been subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct; received notice of any allegations or are currently the subject of any administrative or disciplinary proceedings involving misconduct; have left a position after receiving notice of allegations or while under investigation in an administrative or disciplinary proceeding involving misconduct; or have filed an appeal of a finding of misconduct with a previous employer.

"Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical

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conduct, as defined by the employer. For reference, below are UC's policies addressing some forms of misconduct:

[UC Sexual Violence and Sexual Harassment Policy](#)

[UC Anti-Discrimination Policy](#)

[Abusive Conduct in the Workplace](#)

Equal Employment Opportunity

The University of California is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected status under state or federal law.

To apply, visit

https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS.CG_S

Contact Information

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

Contact

N/A

University of California, Berkeley

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