

Full-Time Job

Principal Engineer, AI Studio and Gemini API - Mountain View or Kirkland



About this role

Full-Time Job (Level 8)

Location: Mountain View, Kirkland, Remote in US
California, Remote in US Washington, Sunnyvale

Job family: Software Engineering Job subfamily: Software Engineering

Product Area: DeepMind

Updated Sep 25 | 312 views

Team members

[Thomas Jimma](#)

Kirkland

Director of Engineering, AI Studi...

[Marcy Carroccio](#)

Washington, D.C.

Executive Recruiter,...

Description

Artificial Intelligence could be one of humanity's most useful inventions. At Google DeepMind, we're a team of scientists, engineers, machine learning experts and more, working together to advance the state-of-the-art in artificial intelligence. We use our technologies for widespread public benefit and scientific discovery, and collaborate with others on critical challenges, ensuring safety and ethics are the highest priority.

Join Google DeepMind's AI Studio and Gemini API team and play a pivotal role in shaping the future of AI development. As a Principal Engineer, you will be directly responsible for designing, developing, and deploying critical Gemini API features that empower developers worldwide. You'll collaborate closely with product managers, Technical Program Managers (TPMs), and fellow engineers, providing technical leadership and mentorship while maintaining a significant coding presence.

Responsibilities:

- Architect, design, and lead the development of highly scalable and robust Gemini API features and infrastructure used to externalize Gemini Models and their tooling ecosystem to external developers.
- Collaborate strategically with partner Product teams to advance LLM state-of-the-art techniques.
- Drive the scaling of the Gemini Model serving stack to work on many requests per day and support developers, identifying and resolving complex performance bottlenecks.
- Take end-to-end ownership of significant components within the entire lifecycle of the model serving stack, from research and internal testing to externalization via API and AI Studio.
- Serve as a Technical Lead (TL) for critical areas, such as the operationalization of Gemini models from research/internal testing to external developers in production.

Minimum Qualifications:

- Bachelor's degree in Computer Science or equivalent practical experience.
- 15 years of experience in software engineering, building and working with systems in technology organizations.
- Experience in Machine Learning or Artificial Intelligence.

Preferred Qualifications:

- Master's degree or PhD in Computer Science, Mathematics, or Engineering.

Express Interest ?

Use the field below to send a message to this role's contact person. Your message is private: only that contact and the staffing team can see it. If you're in Tech, the hiring manager may request your GRAD from People Ops (see [go/sharemygrad](#)).

If you have questions about the role, but aren't yet ready to express interest, email the hiring manager listed to the left. If you're transferring into Google from another Bet, check out [go/bet-mobility-faq](#) first.

For more information regarding short term assignments, including eligibility, please visit [go/transfers](#).

Have non-role specific questions about the Leadership Transfer Process at Google? Thinking about a Transfer with Level change? Curious about ways to optimize your application? Sign up for a confidential, 1:1 mobility session at [go/leadershipmobility-oh](#) or review curated resources at [go/leadershipmobility](#).

[Marcy Carroccio](#)

Washington, D.C.

Executive Recruiter, Principal/Distinguish...

Transfer message*

EXPRESS INTEREST

- Experience with large models (language or multi-modal).
- Knowledge of ML.
- Technical expertise in systems and software with the leadership skills to influence technical leaders across the company.

The US base salary range for this full-time position is \$294,000-\$414,000 + bonus + equity + benefits. Transfer compensation is determined algorithmically and is non-negotiable. Your recruiter will share more about the specific salary for your targeted location during the hiring process. Learn more about [how a transfer may affect your compensation package](#), [how location changes affect compensation](#), and about benefits at Google at [go/benefits](#).

Skills:

API Design

Architecture

Technical Design

API Development

☒ My skills ☐ Other skills