

## Research Scientist AMO Software Packages

*Location:* Weiterstadt, Germany / hybrid

*Department:* R&D

*Employment:* Full-time

*Role / field:* Software development

### Who we are

At neQxt, we build full-stack ion-trap quantum computers, striving for excellent performance and scalability. With decades of expertise in ion-trap technology, neQxt was spun out of Mainz University, and it is headquartered in Germany's Frankfurt Metropolitan area. Our team of leading talent from Europe and beyond covers the entire value chain, from the basic hardware to end-user software level. Join our passionate team of ambitious scientists, engineers, technicians and quantum enthusiasts, building top-tier fault-tolerant quantum computers together!

### Job description

You will focus on co-developing, extending, and maintaining software packages from the trapped-ion and atomic-physics domain. The job sits at the interface between domain experts, who may have limited software-development knowledge, and the broader software-development organization. Core responsibilities are coordination, structuring, testing, and continuous integration. You will collaborate with product and setup owners, the engineering and experiment teams, and external partners.

### Responsibilities

- Co-develop, extend and maintain software packages for trapped-ion and atomic-physics applications
- Structure software packages and development workflows using common software-engineering tools
- Coordinate requirements between domain experts and the broader software-development team
- Establish and maintain testing approaches and continuous-integration workflows
- Improve maintainability, documentation, and release readiness of domain-specific software packages

### Requirements

- Bachelor's / master's degree in software engineering, computer science, physics, engineering, or a closely related field, or equivalent professional experience
- Solid software-development background
- Experience in creating, structuring and managing software packages using common tools
- Strong coordination skills at interface between domain experts and software-development teams
- Experience with testing, code quality practices and continuous integration
- Ability to translate domain requirements into maintainable software structures
- Proficiency in written and spoken English

### Nice to have

- Experience in scientific software development, AMO physics, trapped-ion systems, or quantum technologies; AMO knowledge is desirable but optional
- Experience with scientific Python or comparable scientific-software ecosystems

### Who you are

- High motivation and agility, and a sense of responsibility
- Leadership skills: form, build, and grow the team
- Strong team player with a collaborative, ownership-oriented mindset
- Stakeholder management: find compromises in conflicts and persuade effectively
- Continuous willingness to learn and teach
- Ability to explain difficult concepts in a simple way to different stakeholders
- Solution-oriented approach and ability to converge on actionable decisions
- You can manage complex and demanding technical challenges independently

### What we offer

We focus on true technological advancement rather than unrealistic roadmaps. With a pragmatic, no-nonsense approach, we move fast and avoid bureaucracy. We value your individuality and offer a flexible environment tailored to your lifestyle.

- Results-oriented environment with flat hierarchies and a passionate team
- Competitive salary with automatic inflation adjustment
- Flexible working hours, hybrid/remote work and full overtime compensation
- Career development in an emerging tech field
- German language courses, if needed
- Company pension scheme
- Choice of a flexible mobility budget or company car
- Default (mandatory) German employment benefits (e.g. health / pension / unemployment insurance, paid sick leave, maternity protection, parental leave, ...)

### How to apply

To apply, please submit your CV, a cover letter including your preferred starting date, and any relevant publications, project details or other supporting documents via e-mail to: [career@neqxt.org](mailto:career@neqxt.org). Applications will be reviewed on a rolling basis until positions are filled.