BACKEND DEVELOPER

About Phenospex

Passionate to make agriculture more sustainable, Phenospex was founded in 2011. We believe that digitalization will be the major driver in this process. That's why we develop cutting edge sensor- and software solutions that capture crop data and translate it into actionable information. We are a leading and multidisciplinary team that works at the intersection of technology, plant biology and agriculture and we empower seed- and crop protection companies and indoor farms around the world in transforming their phenotyping processes into digital, agile and efficient development pipelines.

Be part of Phenospex and amplify the impact of millions of people and accelerate the transition towards sustainable agriculture.

Your role

You will be part of an objective-driven product team and will own the database layer and overall backend architecture. Your work will immediately influence the quality and internal developer experience of the product.

Your responsibilities

You will be responsible for maintaining, extending and improving our application backend services while applying your knowledge of software architecture and service design to keep the components testable and maintainable. You also co-design service APIs with the software team and refactor databases and data services to best reflect our domain models.

In more detail, you will

- design and implement concepts for the backend architecture of our software products
- refactor existing components to reduce dependencies and increase flexibility for realizing new product features
- take care to keep the software testable and maintainable and help other software developers in creating tests
- create backend documentation to help onboard new team members and train second and third level service
- participate in improving update, service, and deployment strategies
- work as part of an objective-driven product team and take ownership for problems rather than tasks
- keep up to date and share knowledge about trends and practices in the area of backend development
- be embedded in team operations that support the R&D team and adjacent functions
- complete special assignments as requested
- maintain a safe and healthy work environment by following and complying with all health and safety policies, procedures and legislation
- operate in line with our company values

What you will bring to the job

- 5+ years of professional experience with backend development
- 3+ years of experience in designing and documenting system and software architectures
- proficiency with C++, bash, lxc and standard Linux environments
- knowledge about software architecture and API design
- ability to write modular and testable code
- experience with relational and document-based databases
- good presentation and teaching skills
- strong verbal and written English communication skills
- perceptive and fast learner, prepared to upgrade knowledge constantly to keep abreast of new developments
- motivated to work in a small, empowered product team responsible for a deep technology stack

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- disciplined and reliable work attitude, being the owner of the data pipeline architecture and the persistency layer of the main software product
- ability to work in a structured and analytical way, even when under pressure
- ability to demonstrate, understand and apply our company values. These are embedded in all roles and applicants must evidence their values as part of the application process.

Even better if you have

- a Computer Science degree or equivalent field of study
- experience in configuration management
- knowledge about system architecture and service-oriented architecture
- proficiency with Python
- ability to write software tests and documentation
- ability to work with make-based systems
- experience with Mercurial, Make, R/Shiny
- experience with containerized services and deployment patterns
- knowledge about good scientific practices and experiment design
- knowledge about phenotyping or plant biology in general
- candidates should feel at home in a small but fast-moving development team

Important: At Phenospex we hire great people, not just resumés. If you can't check off a few requirements but are a fast learner, we´d love to hear from you!

Here's why you should come work with us

Next to being inspired daily by talented and motivated colleagues and having plenty of opportunities for personal and professional growth, these are the main perks at Phenospex:

- a diverse and international team made up of 30 passionate people working in an informal and fun environment in a brand-new office setting
- an exciting technology and mission with the opportunity to contribute and make a difference
- team events, flexible hours and a hybrid working policy
- an attractive compensation package incl. 8% holiday allowance and 30 paid holidays per year
- table soccer, BBQ and more fun stuff as well as free drinks and fruit
- participation and lots of room for personal growth

Interested? Then please check out our company website **www.phenospex.com/careers**/ and apply to our HR Manager Alexandra Müller via e-mail or phone: a.mueller@phenospex.com / +31 6 1536 1589