

# Director of AI Engineering Architecture

## OPPORTUNITY

For two decades, Ainira Industries has been known for three things: relentlessly seeking top talent; innovating new technology; and incubating new businesses. Our technological innovation is spearheaded by a passion for clever designs that solve problems and sell well. Our incubation of new businesses ranges from entirely new moon-shot ideas to re-architecting existing and novel projects for today's AI-powered economy.

Ainira is the place where you can be surrounded with great people, be proud of doing great work, and grow your career by leaps and bounds. We are on a journey to innovate big across the AI Semiconductors space, and fuel our unparalleled climb to \$16B market capitalisation. With this rapid scale and dynamic growth, we are hiring a Director of Artificial Intelligence to grow out and lead a high-performing engineering team.

## JOB DESCRIPTION

As Ainira continues on its evolution of innovation and growth, the best people and top professionals are critical to our success, and in supporting our clients and catering to market requirements. Our work is not just about delivering a project and moving on to the next challenge; instead, we are building an evolving high-tech ecosystem where profits follow relevance, which will empower organisations as they transform.

Reporting to CEO, the Director of AI Engineering Architecture will play a pivotal role in leading and shaping our organisation's AI Chips initiatives. You will provide technical leadership and expert guidance across the Semiconductors Engineering and AI products line, and help grow proficiencies of the core teams and the functions that support future business growth.

This role requires a strong background in Artificial Intelligence fundamentals, Machine Learning and Natural Language Processing, along with a passion for driving innovation, building products and delivering impactful results. We are looking for a visionary leader with a strong Semiconductor and AI technology background and supportive expertise in new product design, reliability management, and manufacturing scalability.

## RESPONSIBILITIES

- Lead from the front as a hands-on Semiconductor and AI technologies expert, architecting and crafting scalable AI Chips solutions, and driving data excellence across the organisation
- Inform and deliver on ambitious product roadmaps to accelerate growth, and participate in strategic business and product planning process including testing, release, and production
- Collaborate closely with global leaders across product, research, operations, and program management functions to build platforms for technology/manufacturing companies, not just applications/solutions
- Provide collaborative leadership to build out the AI function, ML and Data Engineering and Operations; architect a full ML Platform and build out the infrastructure to support scalability
- Influence and align stakeholders across different points of view or functions, to drive successful outcomes, build a high-performing team and instil commitment to quality, efficiency, and meeting SLAs

- Establish and reinforce good engineering practices within the team, like DevOps and Agile Processes, ensuring both the "what" and the "how" of our developments align with the highest standards
- Provide technical leadership, maintaining a high level of commitment to engineering excellence, and supporting the team with architecture, design, and implementation choices
- Drive a culture of continuous learning and fast-paced innovation, empowering the engineering team to explore and adopt recent technologies, and to deliver outstanding results
- Monitor industry developments, competitive market landscape, emerging trends, potential business opportunities, and customer requirements to provide feedback and insights to product managers
- Represent the organisation at official occasions, in negotiations, at conventions, seminars, public hearings and forums, and liaising between areas of responsibility

### **SKILLS and ABILITIES**

- Master's degree or PhD (preferred) in Semiconductors, Nano/Opto-Electronics, AI or Data Science
- 12+ years' experience in designing silicon architecture and implementing elegant AI/ML fundamentals and models at internet scale supported by strong background in software
- Up-to-date knowledge of AI/ML technologies and their trends, including various libraries and tools; experience with one of the cloud platforms (Azure, GCP, or AWS) and generative AI (e.g. OpenAI)
- Expertise with cutting edge technologies such as transfer learning, unsupervised feature generation, meta-learning, generative text models, computer vision, sensor fusion, or reinforcement learning
- Remarkable leadership, coaching, and team building skills, high level of integrity, strong executive and entrepreneurial presence, and a winning, can-do attitude
- Comfortable defining and leading large-scale projects with multiple stakeholders at a rapid pace, making thoughtful recommendations with available data and delivering client value iteratively
- Agility and willingness to learn and adapt quickly, staying at the forefront of emerging AI technologies
- Demonstrated high degree of initiative, creative problem solving, attention to detail, and calm under fire
- Outstanding organisation, communication, teamwork, presentation, and time management skills
- Travel domestic and internationally 20% of the time – EU, US, GCC, SE Asia, and Australia in particular

### **COMPENSATION**

This is a senior role within the business and the compensation package, which includes company stock, will be structured to reflect the experience and expertise of the successful candidate.

There is so much to cover for this exciting role, and space here is limited. If you found this interesting and want to learn more, hit "Apply" button below – quote reference number HR-AIS-0007. We look forward to meeting you!

Recruitment agencies, please note that no agency candidates will be accepted.