

Software Engineer II – Agentic AI & Infrastructure

Location: Kato Scholari, Thessaloniki



Join BETA CAE Systems, Greece, as a Software Engineer II and become part of Cadence Design Systems, the pivotal leader in mechanical and electronic systems design.

Leveraging Cadence's Intelligent System Design strategy and BETA CAE's innovative engineering solutions, we deliver advanced products that empower some of the world's most forward-thinking companies across diverse industries such as consumer electronics, hyperscale computing, communications, automotive, aerospace, and healthcare.

In this role, you will contribute to shaping the future by collaborating with cross-functional teams across both companies to develop and promote impactful products and strategies. Joining us means becoming part of a dynamic and evolving environment where teamwork, innovation, and a global perspective drive our continued success and leadership in the industry.

Your day-to-day tasks will include:

- Work closely with our global team of engineers and product managers in the development of new functionality and tools for our software suite
- Play a vital role in the development of custom projects for our clients
- Understand business requirements and think of solutions in terms of not just the coding implementation, but also a solution that will best serve the driving need
- Optimize and further enhance existing tech solutions and determine the next steps in the evolution
- Work on the algorithmic solving of computational problems

Qualifications you need to have:

- Bachelor's/Master's degree in Engineering, Computer Science, Software Development, or a related field
- Strong knowledge and practical experience with AI/ML concepts, Large Language Models (LLMs), and modern Generative AI technologies
- Strong understanding of AI/LLM infrastructure, including model serving, inference, APIs, embeddings, vector databases, RAG pipelines, and AI service integration
- Experience with agentic AI systems and architecture, including tool use, function calling, agent workflows, orchestration, and multi-step reasoning
- Strong Python programming skills, with proficiency in writing clean, maintainable, and Pythonic code
- Experience with relevant AI/ML frameworks and libraries such as PyTorch, Hugging Face, LangChain, LangGraph, NumPy, and related tools



- Good understanding of software engineering principles, APIs, distributed systems, and integration of AI capabilities into production applications
- Strong problem-solving and analytical skills, with the ability to quickly understand complex systems and identify effective solutions
- Fluent written and verbal communication skills in English

Qualifications that will be considered:

- Experience developing and integrating AI Assistants, Agentic AI systems, or LLM-based applications
- Experience with RAG systems, information retrieval, embeddings, re-ranking, vector databases, and evaluation of LLM-based systems
- Experience with AI infrastructure and deployment, including model serving, containers, cloud/on-premises environments, GPUs, and performance optimization
- Background in C or C++ programming and experience integrating AI/ML components into C/C++ applications
- Experience with NLP, LLM fine-tuning, prompt engineering, or LLM evaluation
- Familiarity with Linux, networking, REST APIs, and distributed systems
- Experience with CI/CD, automated testing, and production software development

What we offer:

- Permanent employment contract following a six-month evaluation period
- Competitive salary package
- State-of-the-art and continuously updated equipment (hardware and software)
- Ongoing training in the latest technologies related to the field
- Opportunities for professional growth and skill enhancement
- Private health insurance
- Employee Assistance Program
- Complimentary breakfast and lunch at the company dining hall
- Company-provided transportation to and from the premises
- Fully equipped on-site gym Kato Scholari
- Participation in the company's Private Pension Fund (T.E.A.)
- Ample parking facilities with electric car charging
- Comfortable and modern working environment

Apply now for a place in our team!

We would gladly receive your application at: [Cadence Careers](#)