

Software Engineer II – Ansa Core

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, by building systems that directly support engineers working on large-scale, real-world simulation models.

Your day-to-day tasks will include:

- Design, implement, and optimize core infrastructure and computational components for advanced simulation workflows
- Develop and maintain high-performance systems and core libraries using modern C and C++
- Contribute to the design and implementation of parallel algorithms in performance-critical execution paths
- Validate functionality, correctness, and performance of core infrastructure components using systematic testing and analysis
- Analyze performance bottlenecks, apply profiling and measurement-driven analysis, and propose architectural and algorithmic improvements
- Build internal tools and frameworks supporting simulation, execution, and data-management workflows
- Collaborate with cross-functional engineering and scientific teams to evolve core product foundations
- Maintain and enhance large, long-lived codebases with an emphasis on robustness, scalability, and long-term maintainability



Required Qualifications:

- Bachelor's degree in Computer Science, Engineering, or equivalent discipline
- Advanced proficiency in C/C++ development
- Strong foundational knowledge of algorithms, data structures, and algorithmic complexity
- Experience in developing and maintaining large and complex codebases
- Fluency in English

Preferred Qualifications:

- Experience in parallel programming and multi-threaded system design
- Experience in performance optimization and tuning methodologies
- Experience in developing and maintaining large and complex codebases
- Background in low-level systems or performance-critical software development
- GPU programming and optimization experience
- Advanced degree (Master's or PhD) in Computer Science, Engineering, or related field

What we offer:

- Competitive salary package
- State-of-the-art and regularly updated hardware and software tools
- Continuous training and career development opportunities
- Comprehensive 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
- Participation in the company's Private Pension Fund (T.E.A.)
- Ample parking facilities with EV charging stations
- Comfortable and modern work environment

Apply now to join our team!
We would gladly receive your application at: [Cadence Careers](#)