Austin Bieski

Senior Software Engineer

austin.bielski0@outlook.com | https://www.linkedin.com/in/austin-bielski-b65641395

Lipsko, PL

SUMMARY

Senior Software Engineer with 9+ years of experience in software development, code validation, and technical analysis across backend, full stack, and AI-driven systems. Strong proficiency in Python, JavaScript, Java, and C++, with proven expertise in debugging, testing, and evaluating complex algorithms. Experienced in reviewing AI-generated code and responses, providing structured technical feedback, and supporting benchmarking efforts to assess system accuracy, performance, and clarity. Detail-oriented contributor with strong technical writing skills and a research-focused mindset.

Work Experience

Senior Software Engineer   Jan 2021 - Present
Celonis SE | Germany

- Reviewed and validated backend algorithms and application logic for accuracy, scalability, and performance
- Evaluated AI assisted code generation outputs, identifying logical flaws and optimization opportunities
- Provided structured technical feedback on solution quality, clarity, and maintainability
- Designed and executed benchmarking tests to assess system performance under production workloads
- Debugged complex issues across distributed systems, improving data processing performance by 50%
- Developed automated tests and validation frameworks, achieving 100% coverage for critical workflows
- Documented technical decisions, system behavior, and evaluation results for cross team collaboration
- Mentored engineers on best practices in code quality, testing, and algorithm design

Software Engineer   Mar 2018 – Dec 2020
Solaris| Germany

- Validated software designs and algorithms for enterprise scale systems

- Reviewed and refined application logic written in Python, JavaScript, and Java
- Debugged and tested backend services and APIs supporting 500000+ active users
- Conducted performance benchmarking and regression testing to ensure system reliability
- Provided detailed written feedback on technical implementations and improvement areas
- Tagged and organized technical components by complexity, functionality, and impact
- Collaborated with cross functional teams to improve code quality and system correctness

Full-stack Developer   May 2016 – Feb 2018
Prodio | Poland

- Developed and validated software modules using Python, JavaScript, Java, and C++
- Performed unit testing and integration testing to identify bugs and edge cases
- Reviewed peer code and documented findings to improve maintainability
- Optimized algorithms for performance critical components, reducing execution time by 30%
- Created clear technical documentation to support knowledge transfer and onboarding
- Participated in Agile development cycles with emphasis on testing and continuous improvement

Core Skills

- Programming Languages: Python, JavaScript, Java, C++
- Code Validation & Testing: Debugging, Unit Testing, Integration Testing, Algorithm Verification
- AI & Model Evaluation: Prompt Refinement, Response Evaluation, Benchmarking, Structured Feedback
- Software Quality: Code Review, Performance Analysis, Scalability, Maintainability
- Technical Analysis: Algorithmic Evaluation, System Validation, Edge Case Analysis
- Documentation & Writing: Technical Writing, Clear Explanations, Content Structuring, Tagging
- Development Practices: Agile, Scrum, SDLC, Version Control, Best Practices

Education

Maria Curie-Skłodowska University   Jul 2012 - May 2016

Bachelor's degree Computer Science