

ETHAN JANSEN

Software Engineer

CAREER SUMMARY

Software Engineer with experience building web and mobile applications, backend services, and research tools. Currently working on RAG-based applications for news and document analysis, contributing across C# and .NET backend services, Angular frontend features, and retrieval workflows. I enjoy taking messy, ambiguous problems and turning them into reliable production software.

CONTACT

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- 📍 Cape Town, South Africa

EDUCATION

Bachelor of Science, Applied Math & Computer Science

University of South Africa (UNISA)
In progress (est. completion 2028)

Higher Certificate, Math & Statistics

University of South Africa (UNISA)
2024

Higher Certificate, Systems Development

College of Cape Town
2019

SKILLS

Languages: C#, Python, JavaScript/TypeScript, Java

Backend: .NET, REST APIs

Frontend: Angular, React, Vue, Flutter

Data & AI: RAG systems, document retrieval, embeddings, search, LLM integrations

Cloud & Tools: AWS, Firebase, Git, CI/CD

WORK EXPERIENCE

Senior Software Engineer

LexisNexis
Feb 2024 - Present

- Contribute to a RAG-based research application for news and document analysis across backend services, frontend features, and retrieval workflows.
- Take ownership of key product features using C#, .NET, and Angular.
- Design and implement backend services for document retrieval, processing, and AI-assisted workflows.
- Build Angular components for complex, data-heavy research interfaces.
- Build internal tools and AI-assisted workflows to automate repetitive tasks and improve access to team knowledge.
- Support other engineers through mentoring, pairing, code reviews, and implementation guidance.

Software Engineer III

LexisNexis
Feb 2023 - Feb 2024

- Developed full-stack features using React, Java, and microservices-based backend services.
- Built and improved frontend interfaces for data-heavy applications.
- Contributed to backend services supporting large-scale data processing and retrieval.
- Collaborated across product and engineering teams to deliver production features.

Software Developer

Liquid Thought
July 2020 - Jan 2023

- Developed web and mobile applications across React, Angular, Vue, and Flutter
- Delivered client solutions end-to-end, from development through deployment
- Worked with AWS and Firebase
- Mentored junior developers and interns