

# ADIL SHAIKH

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## PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years at Bayer building production systems with React, TypeScript, Node.js, Python, and AWS. Deep domain knowledge of the crop planning pipeline, including a rules engine that applies each organisation's planning rules. Solo builder of word for it, a mood journal shipped on Android and the web. Exceptional communicator who bridges engineering and executive audiences, explaining complex technical concepts to non-technical stakeholders and connecting technical work to business impact. Energized by high-ownership, customer-obsessed environments where engineering rigor and strategic thinking drive measurable growth. Proficient in AI tools including GitHub Copilot, Cursor, and Claude to accelerate delivery and problem-solving.

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## EXPERIENCE

### Senior Software Engineer | **Bayer** | Warsaw, Poland 11/2025 to Present

- Helped architect and rebuild a major crop planning application around a rules engine that applies different planning rules per organisation, so every org runs on one shared platform.
- Own the code, observability and maintenance of 4 applications across a large part of the crop planning pipeline, working directly with stakeholders to understand their needs and turn them into features.
- Architected and built custom full-stack integrations across enterprise systems, connecting React/TypeScript frontend applications to Node.js backend services and AWS infrastructure, delivering 40% performance improvement and scalability to support 3x user growth across a global enterprise.
- Led technical discussions with senior leadership and C-suite stakeholders, presenting technical architectures and implementation plans to diverse audiences, translating complex engineering decisions into clear business impact and securing executive alignment on delivery timelines.
- Owned end-to-end incident response and observability across production systems, implementing monitoring and alerting using Datadog and AWS CloudWatch, improving response time by 50% and ensuring production-ready reliability at enterprise scale.
- Defined test plans and established unit and integration coverage standards, reducing production incidents by ~25% and maintaining clean, maintainable, production-quality code across a global codebase.

### Software Engineer II | **Bayer** | Warsaw, Poland 11/2024 to 11/2025

- Designed and built REST API integrations and GraphQL interfaces connecting internal platforms to enterprise backend systems, architecting solutions that handled enterprise-scale data volumes with reliable, idempotent patterns across distributed services.
- Architected scalable micro frontend modules in React and TypeScript, building reusable components and libraries for common integration patterns that enabled independent deployment and reduced cross-team integration friction.
- Optimised CI/CD pipelines and cloud deployment workflows on AWS, cutting deployment time by ~40%, identifying patterns in team needs and building scalable automation solutions that improved delivery speed across the engineering organisation.

- Built custom dashboards and reporting solutions for business stakeholders, translating raw operational data into executive-facing insights, demonstrating strong customer obsession and genuine care for stakeholder success.
- Mentored 2 to 3 junior engineers through code reviews and design discussions, sharing technical knowledge, documenting solutions, and creating implementation guides that scaled best practices across the team.

#### **Junior Software Engineer** | **Bayer** | Warsaw, Poland 08/2022 to 11/2024

- Wrote production-quality code across the full stack (React/TypeScript frontend, Node.js backend, PostgreSQL databases, AWS infrastructure) for enterprise platforms used by 1,000+ employees globally, context-switching across multiple workstreams and consistently delivering clean, maintainable solutions under pressure.
- Built and optimised data pipelines and REST API integrations, applying secure programming practices and performance optimisation to support reliable, scalable infrastructure across production environments.
- Promoted from intern to full-time engineer within 6 months by demonstrating ownership mentality, strong problem-solving skills, and exceptional ability to communicate technical solutions to non-technical stakeholders.

#### **Software Engineer Intern** | **Bayer** | Warsaw, Poland 03/2022 to 08/2022

- Built a full-stack enterprise application using JavaScript and Node.js, developing RESTful API integrations, documenting technical solutions, and creating implementation guides that supported cross-functional onboarding within a global organisation.

## **PROJECTS**

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#### **word for it** | **wordforit.app** | Next.js, TypeScript, Capacitor, Supabase 2026

- Designed, built and shipped a private mood journal as a solo developer: check in with a feeling and a precise word, then see patterns over time. Released on Android and the web.
- Owned product, design, privacy and release: EU data hosting, a GDPR record of processing, opt-in error reporting, and CI on every pull request.

## **TECHNICAL SKILLS**

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**Languages:** JavaScript, TypeScript, Python

**Frontend:** React, Micro Frontend Architecture, Reusable Components & Libraries, Responsive CSS, HTML/CSS

**Backend:** Node.js, GraphQL, REST APIs, Server-side Development, Microservices, PostgreSQL, SQL/NoSQL

**Cloud & DevOps:** AWS (ECS/EKS, Lambda, RDS, DynamoDB, VPC, CloudFormation), Docker, CI/CD Pipelines, Git

**Observability:** Datadog, AWS CloudWatch (monitoring, alerting & incident response)

**AI Tools:** GitHub Copilot, Cursor, ChatGPT, Claude (used daily to accelerate delivery and problem-solving)

**Other:** System Design, Data Pipelines, Executive Presentations, Technical Documentation, Agile/Scrum

## **EDUCATION**

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**Bachelor's in Computer Science** | Vistula University, Warsaw, Poland | Graduated March 2022