

Full-stack Developer AI Engineer

Email: Niklas.palm@rocket.se
Phone: +46 72 576 48 29
LinkedIn: /niklas-palm
Website: www.rocket.se

Niklas is a Senior Full-stack Developer with six years of experience building and modernizing business-critical systems within banking, pensions and insurance. He has a strong background in the Microsoft ecosystem, with expertise in C#, .NET, React and Azure.



Throughout his career, Niklas has worked with modernizing legacy applications, migrating on-premise solutions to Azure, and developing new cloud-based systems and integrations. He is accustomed to working in regulated environments and collaborating closely with business stakeholders to translate complex requirements into reliable and maintainable technical solutions.

In recent years, Niklas has increasingly focused on applied AI and technical innovation. At SPP, he has acted as technical lead for AI initiatives within an innovation team, working alongside business stakeholders to identify opportunities, assess technical feasibility, design solutions and lead prototypes from early idea to validated implementation.

His AI work includes automated meeting transcription and summarization, RAG-based knowledge assistants, LLM-integrated applications and AI-supported development workflows. He combines this with hands-on enterprise development experience and is comfortable moving between business requirements, architecture, implementation and user feedback.

In short

- ↗ Senior .NET, React and Azure developer for business-critical financial systems.
- ↗ Applied AI experience with RAG, transcription and LLM integrations.
- ↗ Turns business needs into practical technical solutions from idea to implementation.



Key Expertise

Core Development	C#, .NET, ASP.NET Core, Python, TypeScript
Backend & Integration	REST APIs, Azure Service Bus, SOAP, Web services, .Net Framework
Frontend	React, Angular, Tailwind CSS, Redux, Zustand
Cloud & DevOps	Azure Container Apps, App Service, Azure Functions, Blob Storage, Azure VMs, GitHub Actions, Azure DevOps, Octopus Deploy, CI/CD, Docker, Bicep, Terraform
Data	SQL, Blob storage, Neo4J, Qdrant
Security	Entra ID, OAuth 2.0, OpenID Connect, JWT, app registrations, managed identities, Key Vault, Active Directory
Applied AI	RAG, Azure AI, Azure AI Search, query rewriting, reranking, WhisperX, Vertex AI, MCP
Testing & Observability	TDD, NUnit, Xunit, Application Insights, OpenTelemetry, Datadog
Technical Ownership	Requirements analysis, technical solution design, prototyping, stakeholder collaboration, technical leadership



Tech Stack

Languages & Frameworks

Niklas has a strong full-stack background in the Microsoft ecosystem, with C#, .NET and ASP.NET Core as his primary backend technologies, combined with TypeScript, React, Angular and SQL. He also maintains legacy applications using .NET Framework and works extensively with Python for applied AI, including transcription pipelines, RAG-based solutions and LLM-integrated applications.

Application Development & Architecture

Niklas has experience developing and modernizing business-critical enterprise applications within banking, pensions and insurance. His work includes REST APIs, internal integrations, modular partner integrations, event-driven solutions using Azure Service Bus, legacy modernization and cloud migrations to Azure. He has also implemented Figma designs as React components in a shared design system using Storybook.

Development Environments & DevOps

Niklas works with CI/CD and automated delivery using GitHub, GitHub Actions, Azure DevOps and Octopus Deploy. He has helped migrate applications from on-premise infrastructure to Azure, working with NGINX, application configuration, Key Vault, app registrations and production deployment coordination. He has also prepared Docker containers for deployment. He is accustomed to integrating automated testing into the development workflow and has worked with OpenTelemetry for observability in distributed applications.

Databases

Niklas has experience working with SQL and relational databases in business-critical systems within banking, pensions and insurance. His database experience includes data processing, reporting flows and application integrations, supporting both established .NET applications and modern cloud-native solutions. He has worked with Entity Framework Core for database changes and migrations.

He has also worked with vector databases for semantic search and RAG-based solutions, as well as graph databases for modelling and exploring relationships between applications and systems.

AI & Applied AI

Niklas has hands-on experience designing and prototyping AI-enabled applications using Python, Azure AI and locally hosted models. His work includes RAG-based knowledge assistants, meeting transcription and summarization, retrieval pipelines, query rewriting, reranking and chatbot prototypes with tool calling.

He has used Azure OpenAI SDK in both Python and .NET, alongside technologies including Azure AI Search and WhisperX. He has experience evaluating different technical approaches based on retrieval quality, model performance, security requirements and business needs.

Methodologies & Ways of Working

Niklas is experienced in agile and collaborative ways of working, with close interaction between development teams and business stakeholders. He is accustomed to requirements analysis, technical solution design and iterative development, and more recently has worked in an innovation-driven environment where ideas are rapidly transformed into prototypes and evaluated for further development.

His experience also includes technical leadership for AI initiatives, mentoring interns, coordinating with an external development team and representing SPP in Storebrand's steering group for agentic development.



Projects & Assignments

2023- 2026

SPP

System Develop / AI-engineer

At SPP, Niklas worked as a System Developer and AI Engineer, developing and maintaining pension and insurance applications using **C#, .NET, ASP.NET Core and React**. His work combined new development with maintenance of older **.NET Framework, ASP.NET MVC and Razor Pages** applications. He also contributed to SPP's React design system by implementing Figma designs as components in **Storybook**.

His backend work included a modular **REST API** integration that allowed a banking partner to submit insurance applications through its own interface. He coordinated implementation with the bank's developers and configured **Entra ID** authentication. He also independently built a test-data search application using **ASP.NET/.NET, React and SQL**, indexing approximately two million insurance records. It reduced the time spent finding test data from hours to minutes, with typical query response times below **400 ms**.

Niklas helped migrate more than **50 applications from on-premise infrastructure to Azure** across three environments. His responsibilities included NGINX configuration, application settings, secrets management in **Azure Key Vault**, app registrations and coordinating production deployment with teams responsible for dependent systems.

Alongside application development, he took on technical leadership for applied AI initiatives, working with business stakeholders to define solutions and develop prototypes. He led the development of a meeting transcription solution using **Python, WhisperX and Microsoft Graph**, preparing Docker containers and integrating Azure-hosted models to structure and summarize transcripts for advisor review. He also helped develop and deploy a salary-file ingestion prototype that combined **AI interpretation with deterministic parsing and validation**, allowing users to upload files without manually converting them into a fixed template.

His chatbot work included **RAG-based search over SharePoint**, using Azure AI Search, Qdrant, query rewriting and reranking to produce answers with source references. He also helped build a sales chatbot prototype in **.NET with Azure OpenAI SDK and tool calling**, supporting the identification of business opportunities and companies to approach.

Technologies

C#, .NET, .NET Framework, ASP.NET, ASP.NET Core, REST APIs, React, TypeScript, Figma, Storybook, Razor Pages, ASP.NET MVC, Python, Azure, NGINX, Azure Key Vault, Entra ID, Azure AI, Azure OpenAI SDK, Azure Service Bus, Microsoft Graph, SQL, Qdrant, Azure AI Search, KB-Whisper, WhisperX, LLMs, tool calling,, Copilot Studio, Microsoft 365, Power Automate, Docker, GitHub, GitHub Actions, Octopus Deploy.



2020-2023

Handelsbanken

System Developer

At Handelsbanken, Niklas worked with three internal systems supporting regulatory risk and resolution reporting. The applications handled data-heavy reporting workflows where business users uploaded, processed and exported Excel-based reports through user interfaces primarily built with Angular, backed by .NET Framework, .NET Core and SQL.

Niklas maintained and further developed two of the systems and had technical system responsibility for a third, an older WinForms/.NET application used to generate reporting PowerPoint presentations from internal bank data sources. His work covered both legacy maintenance and modernization, including development in newer Angular and .NET applications, database changes and migrations using Entity Framework Core, and CI/CD through Azure DevOps pipelines.

The role also involved data integration and processing, including ingestion from an IBM core system into one of the reporting applications. Niklas worked closely with business users in an environment with high requirements for correctness, traceability and reliability due to the regulatory nature of the reporting

Technologies

.NET Framework, .NET Core, Angular, WinForms, SQL, Entity Framework Core, Azure DevOps, CI/CD, Excel integrations, IBM core systems



Education

2019-2021

IT-Högskolan

At IT-Högskolan, Niklas completed a vocational higher education program focused on Java and software development. The program provided a foundation in Java programming, object-oriented development and agile ways of working, combining theoretical studies with practical experience through an internship.

2016-2020

Stockholm
University

At Stockholm University, Niklas earned a Bachelor's degree in Business Administration, providing him with a strong foundation in business and economics alongside his technical background. His studies also included one year of exchange studies in Economics at the Australian National University in Canberra, adding an international perspective to his education.

