

Derek Huynen

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TECHNICAL SKILLS

Programming Languages: Typescript, Javascript, Node, C#, Python, SQL
Frontend: React, Angular, Vue, Next.js, Redux, Sagas, Zustand, MUI, Tailwind, SaSS, TanStack, Remix, Vite, Webpack
Backend: Express, .Net, Entity Framework, SignalR, Sematic Kernel, REST, Serverless,
Cloud & Ai: Azure Cloud Solutions, GenAi, RAG, Azure OpenAI, Agents,
Tools & Technologies: Agile, Git, Docker, CI/CD, Github Actions, Azure Devops

EXPERIENCE

Neudesic, an IBM Company – Senior Software Developer May 2022 – Present

- Developed and delivered over 10 AI solutions resulting in a 20% increase in client operational efficiency and decreases in cost.
- Architected and implemented scalable cloud applications on Azure, reducing infrastructure costs by 25% and accelerating deployment cycles for enterprise clients.
- Drove adoption of AI and developer productivity tools (including GitHub Copilot), training 100+ engineers and improving code delivery speed by 20% through tailored workshops and process automation.
- Mentored and led cross-functional teams, fostering a culture of innovation and continuous improvement that resulted in a 95% client satisfaction rate and multiple successful proof of concept deliveries.

Pines Cabin Rentals – Owner/Founder Jan 2019 – May 2022

- Managed operations for over 20 vacation rental properties, maintaining a 5-star Airbnb rating with 100+ guest reviews.
- Designed and developed a custom React and Node.js website to streamline bookings, customer communication, and property management.
- Increased bookings by an average of 3 sales per cabin annually through improved online presence and direct booking capabilities.
- Integrated payment processing, calendar sync, and automated notifications to enhance guest experience and operational efficiency.

Del Sol School (Non-Profit) – IT/Web Developer Nov 2016 – Jan 2019

- Built and maintained the school's WordPress website, ensuring up-to-date content and reliable performance.
- Set up, repaired, and maintained computers and network infrastructure for 20 staff and 40 students across the campus.
- Provided ongoing technical support, resolving hardware, software, and connectivity issues to keep school operations running smoothly.

WORK PROJECTS

Value Stream Mapping & Github Copilot Workshops (Claims Company) – Developer Productivity Engineer Apr 2025 – May 2025
React, .Net, Github Copilot, Agent Mode, VsCode, Visual Studio

- Designed and delivered tailored GitHub Copilot workshops with live demos and hands-on prompt engineering exercises based on real world workflows to over 50+ developers.
- Developed a custom React frontend with secure authentication and advanced forms, integrating with Dataverse via OData APIs.
- Collaborated with leadership and engineering teams to align training with business goals and support organization wide adoption of Github Copilot.

Asset Marketplace Platform (Internal) – Tech Lead / Architect Feb 2025 – Apr 2025
React,Power Platform, Dataverse, Power App

- Led architecture and full-stack development of a hybrid React + Power Platform solution to centralize projects, accelerators, and reusable assets across the organization.
- Developed dashboards for tracking developer productivity and Copilot adoption; provided follow up resources to sustain improvements.
- Modeled complex data relationships and business workflows in Dataverse and Power Apps; automated notifications and lifecycle tasks with Power Automate.

Prospec AI (Internal) – Tech Lead / AI Developer Jan 2025 – Mar 2025
React, C#/.Net, Azure OpenAi, Semantic Kernel, Mui, BuiltWithAPI

- Designed and developed an AI-powered sales research platform that aggregates and analyzes data on 3,000+ potential clients using third-party APIs and Azure OpenAI.
- Architected workflows for client data enrichment, leveraging Semantic Kernel to generate tailored sales recommendations and actionable insights.
- Built a responsive React frontend and robust C#/.NET backend, ensuring seamless data storage and retrieval in CosmosDB.

GenAI ChatBot for Regulatory Compliance (Major Utility Company) – AI Developer Nov 2024 – Dec 2024
React, C#/.Net, Azure OpenAi, Semantic Kernel, Agents, Azure Ai Search, RAG

- Developed an enterprise AI chatbot using RAG to enable staff to query regulatory documents and internal reports with semantic search, real-time citations, and chat history.
- Led ingestion, chunking, and vectorization of regulatory and claims data; implemented citation workflows for transparent, traceable answers.
- Built and optimized RAG pipelines with Azure AI Search and OpenAI; integrated Semantic Kernel for advanced orchestration in C#/.NET.

AI-Powered Contract Redlining Plugin (Legal Tech POC) - Developer**Oct 2024****React, Word Plugin, Azure OpenAI, C#/.Net, Tailwind**

- Developed a Microsoft Word plugin proof of concept enabling AI-assisted contract review and redlining for legal teams.
- Integrated frontend with Azure Functions and OpenAI for clause analysis, edit suggestions, and issue highlighting.
- Built plugin components in React/Typescript to extract contract content and display AI-generated suggestions within Word.

Hospital Document Processing & Data Extraction (IBM, Healthcare POC) - Tech Lead/Architect**Aug 2024 – Oct 2024****Node.js, Typescript, Azure Function, Azure Document Intelligence, CosmosDb**

- Architected and built a system to ingest, classify, and parse hospital rate sheet PDFs, standardizing extracted data for unified storage.
- Developed custom parsing pipelines using Azure Document Intelligence (OCR) to extract complex tables from varied PDF formats.
- Led technical delivery and collaborated directly with IBM and partner teams to refine requirements and deliver iterative improvements.
- Automated document classification and dynamic parser selection, improving maintainability and scalability as new hospital templates were added.

IT Copilot Chatbot (Internal POC)- Tech Lead/AI Developer**Jun 2024 – Jul 2024****Azure Copilot Studio, Sharepoint, Azure OpenAI, RAG**

- Led design and development of a custom Copilot chatbot for IT support, leveraging Azure Copilot Studio and SharePoint to deliver context-aware, document-grounded responses.
- Automated ingestion of IT knowledge articles into SharePoint via Node.js scripting for integration with Copilot.
- Developed custom conversational flows and skills to address internal support queries; conducted user testing and provided technical recommendations on Copilot tooling.

AI Chatbot for Semantic Book Search (Major Book Publisher)- AI Developer**Apr 2024 – Jun 2024****React, Node.js, Typescript, Azure OpenAI, Azure AI Search, Embeddings, RAG**

- Developed a Retrieval Augmented Generation (RAG) chatbot enabling semantic search and conversational queries across a collection of 3000+ book data.
- Collaborated on data modeling, performance optimization, and cross-functional delivery in an Agile team.
- Led ingestion pipeline for parsing, chunking, and vectorizing book content with metadata; engineered integration with Azure AI Search and OpenAI for advanced query workflows.
- Implemented advanced filtering and blending of vector search with classic metadata (genre, year, chapter) for highly relevant results.

GitHub Access Hub (Internal IT Tool) - Developer /Architect**Feb 2024 – Mar 2024****Angular, Typescript, C#/.Net, Azure Function, Github Auth, Azure Entra Id**

- Solely architected, developed, and deployed an internal web app enabling secure employee login and self-service GitHub organization access requests.
- Integrated Azure Entra ID and MSAL for secure, company-only authentication and authorization.
- Built Angular frontend for authentication, org listing, and access workflows; implemented backend logic in C# Azure Functions leveraging the GitHub GraphQL API.

Staffing Platform (Major Healthcare Client) - Frontend Developer**Jun 2022 – Jan 2024****React, Redux, Sagas, MUI, Storybook, Agile, Azure Devops, C#/.Net, Yup, React Hook Forms**

- Developed user interfaces and admin dashboards for a nurse credentialing rules engine, enabling non-technical staff to manage compliance requirements across multiple facilities.
- Built validated, user-friendly forms using React Hook Form and Yup to ensure accurate configuration by business users.
- Implemented robust state management and asynchronous logic with Redux and Redux-Sagas for handling dynamic rules and credentialing data.
- Authored reusable frontend components in Storybook and supported onboarding of new team members in Agile environment.

OTHER**Gexbot (live options analytics for intraday) - Frontend Developer/Architect****Gexbot.com****React, Typescript, Realtime Websocket, Stock Charts**

- Designed and Built a frontend for a real-time stock trading bot using React and TypeScript. 20 different tickerts with real-time data. 3 different packages of data.
- Implemented state management with Zustand integrated with websockets for efficient data handling and real-time updates. Less than 1 second latency!
- Created a custom caching and playback system for real-time data, allowing users to replay the trading day and analyze stock data per second.

EDUCATION**California State University of Long Beach****May 2021****Bachelor in Psychology****Minor in Computer Science**