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 Consultant*   Jan 2022 – Present

- Developed and deliveried over 10 AI solutions resulting in a 20% increase in client operational efficiency and decreas 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 2020 – 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*   Jan 2014 – 2020

- 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, Azrue 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 tickers with real-time data. 3 different packages of data.
- Implemented state management with Zustand integrated with webockets 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 2022
    Bachelor in Psychology
    Minor in Computer Science