CHAD NIERENHAUSEN

EVP of Software Development

EVP SOFTWARE DEVELOPMENT - PYX HEALTH

AUGUST 2019 - PRESENT

- Architected and scaled cloud-native software & infrastructure to support the Pyx Health Progressive Web App, iOS, and Android mobile applications. This resulted in a 2,250% increase in customer base, growing from 2 national clients to 23 national clients across 150+ markets.
- Led and mentored the Engineering team through a significant expansion, growing from 3 members to 16, establishing multiple agile development teams, a dedicated QA team, and a Data Engineering team.
- Built the Data Engineering department from the ground up, enabling the ingestion of over 600 flat files with a combined 10+ million records monthly.
- Spearheaded the Engineering team during a period of exceptional growth (250% annually), achieving recognition on the Inc. list of Fastest Growing Companies for two consecutive years.
- Delivered projects consistently on time, maintaining a near-perfect score on HiTRUST r2 compliance certifications.
- Successfully integrated the Engineering team post-acquisition (InquisitHealth). Migrated their infrastructure from AWS to Azure, implemented robust QA, Stage, and Production environments, and established a streamlined Azure DevOps pipeline (build once, deploy anywhere). This ensured compliance with regulations and elevated the product's capabilities to meet Pyx's high standards.
- Collaborated with Data Analytics to construct a PII-blinded data warehouse with Machine Learning and AI functionalities. This led to the development of a proprietary Loneliness scoring algorithm that effectively identifies at-risk members within health plan partner cohorts, enabling better service targeting.

SOFTWARE ARCHITECT - AMERICAN BOARD OF RADIOLOGY

FEBRUARY 2018 - AUGUST 2019

- Oversaw the development of a brand new .NET Core API and Aurelia/Redux UI for an online testing platform used by radiologists to maintain their certifications.
- Collaborated with the QA department to perform load testing, profiling, and performance optimization of the API to ensure it could handle anticipated user volumes during launch.
- Partnered with Systems Administrators to design and implement a new automated build and deployment pipeline using TFS 2018, streamlining code delivery across all environments.
- Designed and built two sandboxed systems for the outreach team, each consisting of a laptop, MikroTik hotspot, and 5 iPads, to facilitate product demonstrations and customer training in environments with limited or no network connectivity.

SOFTWARE DEVELOPMENT ENGINEER - SCI SOLUTIONS

JULY 2016 - FEB 2018

- Full Stack .Net developer, working with a small agile team to maintain and improve a large SaaS application, that allows Physicians Offices and Hospitals to send and receive electronic orders for medical procedures.
- Increased unit test code coverage by 25% to enhance developer confidence in application stability and minimize regressions during future releases.
- Architected a new front-end framework using SASS with ITCSS principles. This improved code reusability, established a consistent look-and-feel for the application, and reduced technical debt.

APPLICATION SYSTEMS ANALYST, PRINCIPAL UNIVERSITY OF ARIZONA – Residence Life

AUGUST 2010 - JULY 2016

- Led a team in researching, planning, and implementing the migration of new and legacy systems from on-premise data centers to a secure and scalable AWS cloud

environment. This improved efficiency, reduced costs, and ensured high availability.

- Contributed to strategic talent acquisition by serving on an eight-person search committee responsible for selecting the new Assistant Director of Technology Services in Residence Life.
- Led a 5-person team to replace the outdated student housing system with a streamlined process developed with StarRez. Successfully integrated the new system with existing campus partners, acting as the liaison between the University of Arizona and StarRez.
- Managed a team of two Student IT Support Technicians. Led the recruitment process, including screening, interviewing, and hiring qualified candidates.
- Designed and built a highly scalable self-selection system enabling 6,000+ students to choose their on-campus housing. The system handled 2,500 concurrent users in the first 15 minutes, demonstrating exceptional performance under high load.