




Kevin Foster

Application Development Manager

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 <https://fostes.org>



BACKGROUND



ABOUT

Software engineer with experience leading enterprise level software operation, development, and training. Comfortable working with the high priority demands of health care practices across a wide variety of specialties. Adaptable to unique software implementations and proficient in converting business needs into practical software solutions.



WORK EXPERIENCE


● Application Development Manager, NextCare Holdings Inc.

Jun, 2019 - Present

Application development team leader responsible for ensuring development projects match the business needs. Provide coaching of the development team to further improve team skillset.

- Coordinate weekly cross department change management meetings.
- Steer the development team coordinating sprint assignments.
- Foster the development team with biweekly 1 on 1s.
- Evaluate, select, and manage relationships with software partners.
- Pass down knowledge and skills through task delegation.

Developer, NextCare Holdings Inc.

Jul, 2010 - Jun, 2019  8 years 11 months

NextGen application developer in charge of the design and development of templates for the NextGen patient user interface by using both clinical and IT knowledge. Developer is responsible for quality assurance, template process analysis for improvement, and correcting all known issues.

- Implemented an agile change management process and software Kanban solution used by departments with ownership of the core business product, NextGen Ambulatory.
- Scoped and created a custom C# application to present business critical information to all employees prior to accessing core business software. The application is fully managed by medical operations and training teams.
- Lead weekly planning meetings with medical operation, training and education, and development team to coordinate announcements and software deployments.
- Lead weekly sprint meetings with development team.
- Established and maintained a strict version controlled environment and seamlessly integrated it with the change management software solution such that all code check-ins are associated with a trackable change request.
- Designed and built from scratch a Ruby on Rails web application that allowed authorized individuals to lookup patients across all business units fulfilling the company need for a master patient index.
- Navigated the ICD10 government mandate, by designing and executing a custom ICD9 to ICD10 conversion.
- Developed from scratch a C# application used to deliver Crystal Reports via email or file export autonomously based on preselected delivery schedule.
- Utilized SQL Server and Crystal Reporting techniques to pull atypical data requested by various departments for data analysis and audit purposes.
- Collaborated as a development team to edit and maintain the NextGen EHR Knowledge Base of templates.
- Mentored junior developer through the "watch one, do one, teach one" method. By meeting weekly, we were able to offer continual feedback and new skill development in the following ways:
- Took a hands-off coaching role in colleague's first C# application built for the purpose of allowing training department to simulate electronically received lab and diagnostics results from an interfaced third party system. This allowed for authentic training scenarios for onboarding clinical staff.
 - Introduced and provided samples of professional documentation processes.
 - Re-enforcing proper code documentation and use case testing.
- Introduced writing SQL basic queries and progressively advanced colleague's talent up to the point of being comfortable writing custom stored procedures unaided.
 - Provided peer review of code check-in differentials to help detect any possible defects, prevent unintended downstream impacts, and optimize where necessary
- Performed peer review and formal design reviews as part of the release cycle.
- Remediated findings highlighted by external security audit.
- Integrated medical claims clearing house with core practice management software by accessing vendors' secure FTP systems.

- Connected to laboratory, radiology, and insurance carrier systems across TCP/IP, SOAP and HTTPS to transmit and receive structured document, demographics, order, and result messages.
- Developed a custom C# application used by internal IT support staff in response to a recurring licensing issue which prevented users from accessing the NextGen software.
- On an as needed basis, worked with advanced end users for beta testing new features.

Product Developer, InforMed / SergeMD

Dec, 2009 - May, 2010 5 months

Web developer to work with engineering team to create and publish web application to integrate with existing customer software services.

- Designed an enterprise solution for health care facilities to efficiently interface medical providers with their patients by allowing secure messaging.
- Designed a web application that would allow administrative monitoring of application usage allowing for a single point of entry.
- Defined project milestones as defined by statement of work agreements.
- Operated within a version control infrastructure.
- Initiated internal product demonstrations for team leads and sales executives to equip staff to properly support and advertise value added features and functionality.

Software Developer, InforMed / SergeMD

Feb, 2007 - Dec, 2009 2 years 10 months

Template developer to create and edit forms and documents in NextGen and Crystal Reports software, use SQL stored procedures to enhance system functionality, perform NextGen software upgrades and migrations, perform NextGen associated software updates and implementations, and correspond with clients regarding software changes

- Provided top-level, application specific technical support.
- Defined the process for tracking customer contract utilization allowing for additional revenue to be generated when excessive development was requested.
- Performed client-contracted quarterly and billable development tasks.
- Designed a SQL job that would notify support staff of abnormal application operation. This automated a daily task that had required staff to check up to 6 applications on 12 servers.
- Updated the software with the current versions of ICD-9, CPT-4, patient education, medication, allergy, and drug interaction tables.
- Scheduled and performed routine software maintenance roll outs.
- Perform KBM upgrades, patches and conversions for the template sets utilized by the practice.
- Worked as the team lead to implement interfaces between NextGen and 3rd party systems including reference labs, radiology vendors, and EKG equipment reducing staffing and eliminating data entry requirements.
- Communicated with all levels of end users including front desk, administrative, nursing, and providers.
- Authored content published to the corporate website promoting the department's professional services

Technical Support, InforMed / SergeMD

Jun, 2006 - Feb, 2007 8 months

Level 1 technician to monitor and maintain the computer systems and networks of enterprise. Install, configure, and troubleshoot computer systems running a variety of hardware and software problems.

- Functioned as primary point of contact for customers.
- Defined support procedure by documenting processes and publishing to a corporate repository.
- Documented customer problems utilizing corporate issue tracking software.
- Coordinated communications between customers and third party vendors.
- Managed on-call services for technical support after office hours.
- Worked in Active Directory to create and maintain user profiles, resolve password issues.
- Remotely managed application servers running critical background processes.
- Conducted site surveys to inventory client hardware.



SKILLS

Frontend

HTML JSX SCSS / CSS / Styled Components Javascript React Ruby on Rails C# WPF .NET

Backend

Node Ruby Python Postgres MySQL SQL SSRS SSIS

DevOps

Azure G Cloud

Healthcare

NextGen EHR NextGen EPM NextGen ICS Template Editor Rosetta Mirth Connect Crystal Reports



EDUCATION

Computer Engineering (incomplete), Bachelors, University of Tennessee, Knoxville

Jun, 2006 - Sep, 2001

Worked with a graduate level study on a defense department contract. We designed a software system to be used by border patrol to identify shipping vessels. Work was done in MATLAB.

Designed and manufactured a small scale traffic simulation. Assembly language instructions written and burned to an FPGA ROM and connected with circuit board controls.

Computer science classes focused on systems programming in C/C++ utilizing public libraries created by the professor.



CERTIFICATES

EHR Certified Professional, NextGen HealthCare

Issued on:

ICS Certified Professional, NextGen HealthCare

Issued on:



AWARDS

Client Innovation Contest Winner (2018), NextGen HealthCare

Awarded on:



INTERESTS

Rollercoasters

Reading (sci-fi, self improvement, history)

Woodworking

Custom home network setup with onsite webserver and Raspberry PI DNS black hole.



REFERENCES

Available upon request