

Viney Khera

Parsippany, NJ

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Summary

A highly motivated software engineer with can do attitude with a focus on usability, scalability and performance, have worked with the product team to prove out new ideas, some of which opened new revenue streams to increase the company's revenue, have a strong interest in using data to build data-driven applications. Have mentored and lead agile development teams.

Work Experience

Raintree Systems

Parsippany, NJ

STAFF SOFTWARE ENGINEER, ACORN DEVELOPMENT

Sept 2020 - Current

- Collaborate closely with cross-functional product development teams.
- Worked on embedded Maps solutions for Home Health Providers to plan out their day with easy access to directions.
- Did prototyping for integration with smart assistant devices to push notifications.
- Improving metrics collection data pipeline and using it for billing data.
- Built a URL Shortener API service.
- Stress testing feasibility for moving to new AWS service like Aurora db.
- Adding features to Telehealth like custom background, whiteboard.

Raintree Systems

Temecula, CA

SOFTWARE DEVELOPMENT MANAGER, INNOVATION

Jan 2013 - Aug 2020

- Led team to start greenfield projects, add new features, ran daily stand-up meetings and weekly sprint calls.
- Hired and managed a team of software engineers, assigned tasks and performed weekly code reviews.
- Helped to create yearly budgets and performed quarterly reviews for my team.
- Collaborated with stakeholders and worked with early adopter customers.
- Built interoperable Data Aggregator product using different medical billing files to help onboard customers from a different system or retrieve any lost data.
- Built applet for Appointment recovery, to allow patients to reschedule appointments they missed using CGI scripts.
- Added new Connect product features to support multiple time zones for enterprise clients, blast messages, secure messaging, and optimizations to make Connect product scalable.
- Designed and developed REST API prototypes for Low code/No code website.
- Automated Document filing system using Text Classification Machine Learning Model using NLP.
- Designed and developed Document OCR and text search capability using Tesseract.
- Enhanced Metrics collection data pipeline, added performance monitoring metrics, and built BI dashboards in Yellowfin.
- Designed and implemented a new revenue model focusing on increased patient engagement using integrated texting, voice calls, and video calls.
- Led development of web applets for appointment confirmation, rescheduling, and electronic check-in.
- Led development for dashboards, reports, and routing mechanism of outgoing and incoming texts, voice mail, and voice calls.
- Prototyped predictive analytics for claims ledger data.
- Designed and developed library and data pipeline for capturing feature analytics data.
- Designed and developed library and dashboard for monitoring cron jobs.

Raintree Systems

Temecula, CA

SOFTWARE ENGINEER, PRODUCT DEVELOPMENT

Jul 2009 - Dec 2012

- Participated in the design, development and support of number of inhouse and client facing enterprise applications.
- Designed and developed Electronic Faxing Queue interface, integration with Fax API.
- Implemented new features and integrations in TASK, Document and NOTES modules.
- Developed and supported Transcription module.
- Developed and implemented Offline module.
- Developed in-house tool for Direct Connects to client systems.
- Developed and maintained Electronic Medical record specific libraries and modules like Patient Forms, Encounter Note, Problem (ICD10) record, dosage calculator.
- Automated workflow for splitting insurance EOB's across multiple patients.
- Designed and coded enhancements in Scheduled Job Monitoring.
- Helped in production support of escalated issues reported daily with rapid turnaround.
- Rapidly brought programmer trainees to full productivity by working closely with them on problems derived from actual requirements.
- Started and managed budget, payroll and operations of offshore India office and managed remote team of developers.
- Built in house payroll software, SOP's for hiring and managing offshore team.
- Collaborative work with Webclient, Agent, Engine offshore teams in Estonia for development of various standard features.
- Product Owner of various standard EMR plugins - Connect, Send, Task, Document, Notes, Handoff.
- Continuous work with Product team on Sprint planning and Product Roadmap.

Education

University of Southern, California

MS IN COMPUTER SCIENCE

Los Angeles, CA

Aug 2007 - May 2009

Maharishi Dayanand University

BACHELOR IN ENGINEERING ELECTRONICS AND COMMUNICATIONS

Rohtak, India

Aug 2003 - May 2007

Skills

DevOps AWS, Docker, Terraform

Back-end Flask, Node, REST API

Front-end React, HTML5, Javascript

Programming Node.js, Python, Typescript, C, C++, C#, PHP, R, Delphi, LaTeX, Mysql, MongoDB, DocumentDB, DynamoDB

Libraries Pandas, NumPy, Scikit-learn, opencv, webrtc, pytorch, fastai

Tools Github, SVN, YellowFin, Jira

Languages English, Hindi