JEEVANRAM KASIVISWANATHAN

SENIOR PRINCIPAL SYSTEMS ARCHITECT

www.xome.com

https://jeevanram.github.io

Email	jeevanramk@outlook.com	M.S Software Engineering (2006-2011)
LL Profile	http://www.linkedin.com/in/jeevanram	PSG College of Technology, Coimbatore, India
Code Repo	https://github.com/jeevanram /	CGPA: 9.26/10

Summary

- Highly committed and passionate engineer with impeccable accountability and experience building and delivering highly scalable solutions.
- Senior Architect for Xome and direct the engineering teams across locations on technology and define the enterprise coding standards for the engineers to follow.
- Led the engineering team and successfully migrated Xome enterprise products from on-premises to the cloud infrastructure. Hands-on experience in Docker, and Azure KeyVault, Cloud HSM, Azure Application Insights.
- Modernizing the legacy systems in ASP WebForms and .NET framework Web APIs to Razor pages and .NET Core.
- Built products from scratch until release and post-release stabilization.
- Experience managing acquisitions by handling large volumes of data, strategizing and integrating similar systems, documenting the product archives with design, complex workflows, and coordinating knowledge transfer.
- Proficient in OOPs, Design patterns, Data Structure and Problem Solving, Software Design, and Architecture.
- Actively participated in the company-wide hackathons and successfully pushed my hackathon initiatives to production, working with the product management team.
- Proficient in Microsoft technologies .NET 7, EF Core, ASP.NET, MySQL, C#, SQL Server, XUNIT

Professional Experience   JUN 2011 - Present

XOME (2015-present)

Xome is a digital platform that connects every single process of real-estate process. It is a one-stop shop for home sellers and buyers who want to save money and complete their transactions with the utmost confidence. Xome offers services for home sellers, home buyers, banks and lenders, and agents and brokers.

Xome offers a suite of valuation solutions (XVAL) ranging from Appraisals, BPOs and alternative valuation products for -mortgage originators and services nationwide.

I joined XVAL as the primary developer (1st developer). In 2015, designed and developed the product from the ground up, released MVP in 6 months timeframe, integrated acquired valuation products in 2018 and grew the team to 20+ engineers.

Highlighted below are a few milestones that I achieved at Xome.
- **In 2015,** Designed and developed Xome Acuity Integration Framework – A core component and highly available API service for receiving and delivering valuation orders from Banks and other mortgage companies. **Built the Xome valuations product from scratch** and released the MVP to production.
- **In 2017**, Xome's parent company Mr. Cooper decided to refactor the reverse mortgage platform written in C++. Rewrote the monolithic application as microservices using **Java - Spring boot and containerized using Docker and Kubernetes**, which helped the company to get rid of the 30+ on-prem servers saving millions of dollars of operational cost for the company.
- **In 2018,** .NET CORE migration - Modernized the XVAL (Xome Valuations) product from the **.NET framework to .NET Core**. Integrated with NewRelic for telemetry and distributed tracing.
- **In 2019-2020**, Managed the Xome Valuations – Assurant merger. Developed integrations to interconnect different systems to make it a One-Xome platform. Responsible for **migrating millions of historical data** from VAL-D (default properties) and VAL-O (origination properties) to X-VAL.
- **In 2020-2021,** Developed a contract management configuration portal for businesses to configure signing locations and include different signing documents for properties based on a defined set of rules. **Improved operational cost** by providing a user interface for the business team to handle contract management and saved a significant amount of engineering time and code deployment (earlier, a code deployment was required to publish any configuration changes).
- **In 2022, Led the cloud migration** initiative and migrated Xome products from on-premises to the cloud infrastructure (Azure)
- **At present**, responsible for defining and **managing Xome's enterprise architecture**. Building up the proof of concepts and base frameworks for the engineering teams.

 Technology
　　　C#, .NET 7, EntityFramework Core, SQL Server, .NET Framework, XUNIT, ELK, Redis, RabbitMQ, Docker and Azure cloud features – AppInsights, KeyVault, Cloud HSM, API Management Services.

Senior Principal Systems Architect　　　　　　　　　　　　　　　　　　Mar 2023-Present
Xome, Lewisville, TX, USA
www.xome.com

- Design and develop proof of concepts for different engineering teams.
    1) POC to incremental migration approach of asp webforms legacy applications to Razor pages.
    2) POC to use AzureADB2C as the identity service for Xome customers with a plan to migrate existing Xome users to AzureADB2C using Azure user flows.
    3) POC to use Azure API Management Services to consolidate APIs that multiple products at Xome offer and set up the API developer portal.
    4) POC to use Azure API Management Services for Xome's API subscription model and

handle API throttling and set request limit based on user subscription.
- Modernize Xome's technology stack to follow microservice architecture.
  1) Set up an incremental approach to migrate API endpoints from .NET Framework to .NET Core.
  2) Implement docker support to existing legacy applications using windows container and Linux container for .NET core services.
  3) Standardize Xome applications to store the date-time in the UTC time zone. It is one of my successful initiatives working with different application teams at Xome to host the data in a cost-effective azure SQL managed instance with a data backup set at another region for a DR.

Principal Software Engineer   Mar 2020-Feb 2023
Xome, Lewisville, TX, USA
www.xome.com

- Proposed and developed cost-saving features for business, including – Contract Configuration Management Portal using React and .NET Core, Integration Monitoring and Support portal to help the operations team quickly identify and respond to integration failures.
- Follow team management principles like ensuring the product design documentation is up to date before the development, practicing blameless post-mortems for any issues reported in the production with an accurate timeline, and retrospection with the team.
- Migrated applications from on-prem servers to Cloud Infrastructure – Microsoft Azure, Google Cloud Platform.
- Designed and developed the Workflow rule engine in Xome Esign (An In-house product of Xome like DocuSign) to generate Legal Contracts for real estate properties.
- Designed and developed a compliance feature to digitally sign the Xome-generated contracts with the certificates managed in the Cloud HSM to avoid tamper and forgery.
- Developed an SMS framework for Xome collaborating with Twilio APIs.

Senior Software Engineer   Sep 2018 – Feb 2020
Xome, Lewisville, TX, USA

- Integrated acquired platforms with Xome, making the latter a single service platform for valuation by developing new microservices.
- Responsible for migrating millions of data and file shares from the acquired systems to Xome.
- Migrated application code from TFS (Code management platform) to GIT (Code management platform)**.**
- Developed various core features for Xome.
  - Split Payment - An ability to pay using multiple credit cards and mediums of payment.
  - a console tool to extract data from legacy valuation systems into Xome.

Technical Lead   Apr 2018 - Sep 2018
Xome, Chennai, India

- Managed a 5-member development team and mentored them.
- Designed and developed Auth Service for web services using JWT (JSON token-based

authentication and authorization).
- Re-engineered the reverse mortgage API services, a very old legacy application to scalable microservices in Java and containerized them in Azure Kubernetes Service (AKS) with improved performance. Also, saving a lot of infrastructure and maintenance costs for the company.

Senior Software Engineer   Mar 2015 - Mar 2018
Xome, Chennai, India

- Developed and managed green-field product Xome Valuations with a small team (2 Developers + 1 Product Manager) with an aggressive timeline of 6 months to MVP.
- Designed API-based integration using RESTFul Services and Implemented the Template method pattern as part of an integration framework.
- Designed the Single Sign-On functionality for our integration vendors to log in across multiple platforms to submit the BPO report. It is now widely used across different products across Xome.
- Workday integration - Developed a service to push billing reports (Account payables and Account receivables).
- Designed and developed the logic for risk scoring in a valuation report submitted by an appraiser agent on a property.
- As an enhancement to the Integration framework, Introduced RabbitMQ to process the service requests, support asynchronous processing, and reprocess the unsuccessful request calls in the event of failure.

Senior Software Engineer   Apr 2014 - Mar 2015
Scantron, Chennai, India
https://www.scantron.com

Technology: ASP.NET Web Forms, C#, SQL Server, RDL

- Design and develop Curriculum Import/Export tool (CIE tool) - A proprietary software for educational content transfer from one organization to another.
- Work on the XSD schema definition and develop business entities in code that packages the content using XML in the CIE tool.
- Design and develop RDL-based reporting documents for safety measure forms and student grade books.
- Mentor peers within the team technically and across the team functionally.

Software Development Engineer   Jun 2011 - Mar 2014
Scantron, Chennai, India
https://www.scantron.com

Technology: ASP.NET Web Forms, C#, SQL Server, WOWZA, jQuery, JavaScript, Java.

- Design and development of content management system for educational services in Harland Clarke for K12 education

- Develop an in-house form engine that allows users to add and align different question formats to the assessment tool. Formats like multiple-choice, short answer, match etc.
- Enhance the User Interface using jQuery and JavaScript to develop personalized learning features of the educational software that helps create learning paths and workouts based on individual student needs.
- Develop a notification system using ExactTarget and SMTP to integrate with google/outlook calendars to remind students about upcoming assessments, events etc.
- Develop a configuration management tool to update configurations in the test and production environment.

Software Development Engineer – Intern – 10th Semester   Dec 2010 - May 2011
GlobalScholar(Acquired by Scantron), Chennai, India
https://www.scantron.com

- Involved in developing a desktop application with Remote Sharing and Co-Browsing.
- Technology Used: Java, Adobe Flex, Wowza Server.
- Developed the health monitor system for GlobalScholar.

Software Development Engineer – Intern – 7th Semester   Jun 2009 - Nov 2009
Hash Cube, Bangalore, India
https://www.hashcube.com

- Involved in the UI development of a Facebook Sudoku game.
- Technology used: Java, JavaScript, HTML

Certification

Google Cloud

This acknowledges that

JEEVANRAM KASIVISWANATHAN

has successfully completed all the requirements to be recognized as

Google Cloud Certified
Associate Cloud Engineer

Series ID: 60670
Issue Date: 2 Aug 2022
Expiration Date: 2 Aug 2025
Certification ID: Y7wo7V
Certified As: JEEVANRAM KASIVISWANATHAN

Thomas Kurian
CEO, Google Cloud

Cloud Engineer
GOOGLE CLOUD CERTIFIED · ASSOCIATE