

Joel Alenchery

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in [joel-alenchery](#) 🌐 [icecubed](#) 🐦 [icecubed](#) 📷 [joelalen](#)



A dynamic and enthusiastic full stack engineer with about a decade and a half of experience in software development. My passion lies in building great products while enabling others to perform their roles effectively. I have architected and built horizontally scalable backends atop NoSql DBs; distributed RESTful API services in NodeJs; and web-based front ends with modern highly interactive Ajax UIs using frameworks like AngularJS and VueJS.

WORK EXPERIENCE

Principal Software Architect at Nexsales Inc March 2016- Current

📍 <http://www.nexsales.com/>

Skills acquired: nodejs | angularjs | vuejs | riak | mysql | postgresql | beanstalkd | redis | memcache | solr | webpack | material design | webrtc | websockets | rest apis | jira | confluence | git | jenkins | cloud compute engine | cloud functions | cloud run | cloud pub sub | cloud tasks | cloud build | docker | terraform

Nexsales is a sales acceleration company specializing in demand generation and lead discovery.

As their principal architect, I was instrumental in designing and bringing to market 2 major products from scratch.

Voicereach: A sales conversation enabler with an SLA to provide 8X boost in productivity

RightLeads: A proprietary lead discovery engine using machine learning to find and score relevant leads in an ever-growing database focusing on IT security

- Main responsibilities included design, develop, test, deploy, maintain and improve software inside an agile development framework. Manage individual project priorities, deadlines and deliverables. Mentor and grow a team of 5 software engineers
- Worked closely with customers to understand opportunities where technology can be used to drive business efficiently and effectively. Studied B2B marketing practices and designed closed-loop marketing strategy and successfully implement the ideas into the VoiceReach product
- Studied user behaviour to optimize role-based UX leveraging material design
- Early adopters of a single-page app in AngularJS leveraging WebRTC to implement VoIP in browser. Designed a highly reactive, stateful, web-socket based real-time UI to enable browser-based VoIP capabilities
- Involved in implementing distributed VoIP backend with Freeswitch and Twilio
- Planned and executed a successful move to fully serverless infrastructure, reducing costs significantly
- Designed UI and backend to deliver a fast intuitive way to build complex search queries over a large data set of contacts to deliver a seamless contact list build experience.
- Feature & technical design for resilient REST-based microservices in NodeJS
- Technical design of horizontally scalable and highly available data store using Riak DB
- Technical design of a git like structure to keep track of data as it evolved and changed in a NoSQL data store
- Design and implementation of scalable distributed file processing pipeline to enable processing and ingestion of large data files (100k to 10M records) using only Google Cloud Platform services

SKILLS

Frontend Advanced

javascript | angularjs | vuejs | html | css

Backend Advanced

nodejs | python | google cloud platform

Data Stores Advanced

mysql | postgresql | riak | solr | redis | memcached

Techniques Advanced

web applications | distributed architecture | micro services | mobile first, responsive design | test-driven development | agile methodology | stateful ui design

Devops Intermediate

google cloud | docker | jenkins | terraform | ansible

EDUCATION

PG-Dip Internet and Enterprise Computing at Nottingham Trent University

2006 - 2008

Major courses:

intelligent business systems | intelligent systems (ai) | enterprise computing | object oriented analysis & design | internet programming | advanced computer networks | security in computing | data structures

Grade: High 2:1

BE Computer Engineering at Don Bosco Institute of Technology - Mumbai University

2001 - 2005

Technical Lead at CitiusTech **May 2012- February 2013**

📍 <https://www.citiustech.com/>

Skills acquired: asp.net | asp.net mvc | c# | javascript | xml based webservices | perforce svn

CitiusTech is a leading provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations.

As a Tech Lead, I was responsible for leasing with a major Life Sciences company to help maintain a large web-based medical imaging application.

Senior Software Engineer at ISG eSolutions **May 2009- April 2012**

📍 <https://www.isgesolutions.com/>

Skills acquired: asp.net | ms sql 2005/2008 | c# | javascript | html | sitefinity cms | jquery | telerik | ajax | memcache | multi-threading | mongodb | webservices | web apis | backbone.js | jquery | less

ISG eSolutions is a specialized provider of hospitality solutions to various hotels and restaurants in India and abroad. They also provide travel solutions, both web and desktop based, to several UK based travel websites.

As a senior engineer on the engineering team, I led development efforts, designed and implemented platform architecture, and managed other engineering team members

Engineering Intern at Nokia **June 2007- June 2008**

📍 <https://www.nokia.com/>

Skills acquired: symbian c++ | perl | python | xml | uml | java | symbian os | series 60 | uiq | android | enterprise architect

Symbian Software Limited develops and markets operating system software used by Nokia, Motorola Samsung mobile, and smartphones.

Worked with the Location and Connect team within Symbian in Cambridge. The team focused on integrating location-based services into Symbian's mobile OS

Junior Software Engineer at Interface Systems Group **July 2005- May 2006**

📍 <http://www.interfacesystemsgroup.com/>

Skills acquired: c# | vb.net | sql | html | javascript | xml | css | asp.net | ms sql | llbl gen pro

Interface Systems Group is a leading Service Provider of Software development, website designing & hosting and tours management Software. Job profile included developing, testing and maintaining web applications.

LANGUAGES

English
Native speaker

Hindi
Native speaker

Malayalam
Native speaker

Marathi
Beginner

INTERESTS

Reading

Skills acquired: science fiction | biographies | technology | military history | aircrafts

Table Top Gaming

Cooking

SCAN FOR MORE

