

Pranav Garg

1295 koi ter Fremont CA 94536

Phone: +1-(917)-514-0918

<http://linkedin.com/in/pg2286>

Email: pranav_garg@yahoo.com

SKILLS

- Databases: PostgreSQL, SQL Server, MySQL, MongoDB
- In memory computing: Redis, Solr, ElasticSearch
- Data Manipulation: Pandas, NumPy
- Message Brokers: RabbitMQ, AWS Simple Queue Service
- Development Languages: Python, Php, Javascript, Java
- Platforms for development: Mesos, Docker, Amazon ECS
- Development Frameworks: Flask, Django, NodeJS
- Cloud: AWS(API Gateway, Lambda, DynamoDB, Elastic Transcoder, RDS)

EXPERIENCE

Cornerstone OnDemand *Engineering Manager*

San Francisco, USA
Nov 2018 - Present

- Led the team during the acquisition, successfully integrating the content authoring platform CreateTool in the Cornerstone LMS.
- Collaborated with cross team to drive the CreateTool adoption which achieved a growth of 200% quarter to quarter in the launch year itself.
- Recruited, mentored and worked with team in establishing personal and team goals.
- Led product strategy, roadmap, product development, new features like 508 compliance, app localization, content localization along with fedramp certification for the platform.

Grovo *Principal Engineer* *Senior Backend Engineer*

San Francisco, USA
April 2018 – Nov, 2018
Jan, 2017- Mar, 2018

Developed and architected micro-services for Grovo Delta (<https://grovo.com>), a distributed learning management platform.

- Design and architected multi-lingual content, allowing product localization across new geographies (e.g. Europe, Asia)
- Build integrations with third party platforms like ADP. Integration allowed Grovo Delta enterprises to use their HRIS to sync user information in their Grovo Delta account directly. Additionally helping generating over 6000 leads of potential ADP clients interested in buying Grovo for their internal training management.
- Improved Application scalability by removing data hotspots which enabled application to scale 3 times its previous workload.
- Architected and build backend REST API's using micro-services for multi-asset uploading. Enabling users to upload large file size with capability to resume file upload from the point they left off.
- Created replay service for retrying dead messages from the message broker. This allowed automation triggers to be eventually consistent in network request failures.

- Created metrics dashboard and logging used in troubleshooting.
- Led cross-team collaboration efforts to build out full-text search functionality using ElasticSearch

EdLab - Teachers College, Columbia University

Senior Solutions Architect

Solutions Architect

New York, USA

Feb, 2014 - Apr, 2016

Feb, 2010 - Jan, 2014

Created RESTful web application services using Python - Flask and Django MVC

- Vialogues (<https://vialogues.com>)
Build a multi tenant video dialogue systems for educators and learners using flipped classroom model which increased user engagement by over 35%.
 - Designed and architected on cloud natively (Amazon Web Services)
 - Created backend RESTful API's using Django MVC with mysql as the persistent data storage.
 - Build Elastic Transcoder pipeline for doing video transcoding based on user priority to different video compression formats. Transformed videos were streamed using signed canonical requests from Cloudfront.
 - Created distributed search engine using SOLR that allowed users to get relevant results based on the keywords.
- New learning times(newlearningtimes.com)
Created a content management system that allowed content pushing from publishers through different modes: newsletter, web articles.
 - Build a recommendation engine for recommending next article based on similarity between article content
- Developed and implemented e-commerce solution using PayPal for payment processing using Flask.

Data Engineering

- Created Jupyter notebook dashboards using python pandas to generate graph which summarized aggregated user data.
- Build high level reports for showing time spent in various funnels, eg. user consuming content, building lessons for administrators to gauge content engagement metrics.

Volunteer

- Increased developer velocity by test-driven development and enhanced automated software build and deployment processes.
- Improved learning by introducing peer code review system, brown bag talks, agile development, inviting speakers.
- Build and scaled the engineering scrum team for product and feature development.

Headstrong, Database Group

Technical Consultant

Noida, India

Dec 2007 – Jul 2008

- Developed custom business intelligence reports used by operations team at Morgan Stanley using LOANIQ. Part of the core systems handling billion dollars of sub-prime syndicated loans.
- Supported critical batch processes for ready to be live checks for stock exchanges.

Microsoft India, SQL Server Developer Data Engine group

Engineer

Bangalore, India

Feb 2007 – Nov 2007

- Troubleshooted time critical issues for enterprise customers using SQL Server by identifying performance problems or bugs in customers production database.

- Wrote Knowledge Base articles for sharing resolution information on SQL Server issues faced by Microsoft customers.

Infosys Technologies Ltd, Database Group

Software Engineer, Database Administrator and Developer

Bangalore, India

Aug 2004 – Feb 2007

- Administered Federated Databases, performed Database Migration, and Application Data Access Layer Migration for financial applications.
- Improved Database Performance by SQL/Overall Database tuning.
- Created a package tracking desktop application for compliance Mellon Bank using VB.NET.
- Migrated Application from ASP to ASP.NET for Pfizer.

EDUCATION

Columbia University – School of Engineering Arts and Science

Masters in Computer Science

New York, NY

Sept 2008 – Dec 2009

University of Delhi

Bachelor of Information Technology

Delhi, India

Aug 2000 – Jun 2004

AWARDS & CERTIFICATIONS

- Amazon Web Services Certified Solutions Architect, 2015.
- Recipient of Apple WWDC 2009 Student Scholarship Program.
- Recipient of Masters Teaching Assistant Fellowship for Fall 2009 Columbia University.

PUBLICATIONS

- Jo Agnitti, Pranav Garg, Faisal Anwar and Hui Soo. Fluensee – “A Language Learning Tool” at Teachers College Educational Technology Conference, 2009.
- Pranav Garg, Hui Soo, and Gary Natriello. “Developing Web Analytics to Evaluate Online Educational Resources” at Computing, Communications and Control Technologies 2009.
- Pranav Garg, Hui Soo Chae, Gary Natriello – “Building a Computer-Supported Peer Review System (CSPR) Tool” at the Computer Supported Peer Review Systems at Intelligent Tutoring Conference, 2010.