

Gaurish Anvekar

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EDUCATION

M.S. in Information Systems

Santa Clara University, CA
Jan 2021 - Dec 2022

B.E. in Information Science

SJCE, Mysore
Sept 2011 - June 2015

LINKS

 [github](#)
 [linkedin](#)
 [medium](#)
 [leetcode](#)

SKILLS

Programming

Java • Python • Javascript
TypeScript • PL-SQL • C++
C • Go • C#

Web Technologies

Node JS • Express • React JS
Oracle-ADF • Bootstrap • Spring
Python Dash • Oracle-Forms • Plotly
HTML • CSS • JQuery

Applied Machine Learning

Deep Learning • CNNs • RNNs

Databases

BigQuery • Oracle-DB
MS-SQL Server • MongoDB
My-SQL

Other Tools/Tech

GitLab • Jira • Terraform • PyTorch
Android • OpenGL • OpenCV
FFmpeg • DASH/HLS • WebRTC
Socket.IO • Redis • Hadoop
Jenkins • MATLAB • BigQuery
CloudPubSub • CloudScheduler
ShakaPlayer • Docker • H.264
Postman • S3 • RESTful APIs

COURSEWORK

Graduate Studies

Big Data Modeling & Analytics
Cloud Computing - Virtualization
Machine Learning & Deep Learning
Digital Transformation & Policies

Undergraduate Studies

Data Structures & Algorithms
SQL - Data Modeling & Warehouse
Computer Networks
Software Architecture

EXPERIENCE

Zulily - Software Engineer II - Big Data | Seattle, WA

Jan 23 - Mar 23

- Zulily is an e-retailer, with daily discounts on latest brands - 5M+ downloads.
- Built a new experimenting feature on the existing A/B Testing framework, to provide new user segments for stakeholders - Data Scientists, Analysts.
- Implemented a pipeline to support the new CPRA customer data policy over CCPA, to notify 3rd party vendors, service providers' API to delete user data.
- Maintenance of big-data ingestion & ETL from tier-1 to tier-2 tables for analytics.
- Tech: GCP, BigQuery, Cloud PubSub, Terraform, Airflow, Dash, Python, Kafka, Java

Dolby Laboratories - Software Engineering Intern | Suny, CA

June 22 - Sept 22

- Implementing "Dolby Vision" HDR tech for Android using highly optimized, parallelized code based on GPU compute shaders, to achieve real-time rendering of "Dolby Vision" video. Tech: C++, Java, Android, OpenGL ES.
- Fixed 3 months pending task to improve picture quality, by scouring 20K lines of codebases in C++, Java, MATLAB.

Aromyx Corporation - Full-Stack Developer (Part-Time) | Mtv, CA

Oct 21 - June 22

- Aromyx is a Biotechnology company working to quantify olfactory data.
- Built interactive data-visualization tools for olfactory data with line graphs, honeycomb graphs, by adding features to existing React JS codebase of 20K+ lines.
- Tech: TypeScript, React JS, Firebase, MongoDB, Yarn, Plotly JS, Responsive Design.

Myelin Foundry - Product Developer - AI & Video Tech | Blr, India

April 19 - Jan 20

- Myelin is an AI startup, providing solutions in Media & Healthcare.
- Implemented a prototype called SRAAS - "Super Resolution as a Service", to upscale videos from 240p to 720p in real-time on GPU backend (GCP Instance). Tech: GCP, Python, JS, Deep Learning, PyTorch, Node JS, FFMpeg, OpenCV.
- Implemented upscaling using an AI micro-service model written in PyTorch, which sends upscaled video segments (DASH) to a NodeJS server through IPC, & served to a front-end video player (Media Source Extension). Demo - [SRAAS](#)
- Use Cases - Reduce CDN storage cost for OTT (Over-the-top) platforms by only storing low to SD videos (86% storage saved), & upscaling in real-time.

CAI Solutions - Software Engineer | Blr, India

Dec 15 - Jan 19

- CAI specialized in Retail Software Systems with Oracle Retail Suite.
- Implemented a successful product - "Like Store", using Forms, ADF, PL-SQL, Java & Spring for a top "Sporting-Retailer" - 250 stores in 16 states in the US - to reduce time taken to open a new store from 3 months to < 15 days.
- Optimized SQL & Oracle-DB tuning, to reduce startup time of initial screen (10s to 4s), to display client's merchandise hierarchy (4M SKUs).
- Migration of backend retail tools from Applet-based "Forms 9i" to Java Spring, due to Applet security concerns on client's request.
- Usage of Pro-C/C++ over PL-SQL, for compute-efficiency.

PERSONAL PROJECTS

Easy School | [easyschool.academy](#) | NodeJS, ReactJS, MongoDB, DigitalOcean
A SaaS product - "EasySchool", for new schools/universities to set up their management system with features - "Virtual Library", "Online Lecture".

Parallel PDF Creation | [pypi.org](#)

A python package (tool) for "Analysts" to quickly create PDF files out of DataFrame rows, using "Parallelism" concepts - 1000 PDFs in < 2 mins.

ADDITIONAL INFORMATION

- Highly interested to be a part of a team building robust & impactful systems.
- I have studied advanced distributed systems concepts - MapReduce, DFS, Consensus Algorithms (RAFT) in GO.
- Keen interest in reading engineering blogs. [medium.com/GaureeshA](#), explains the backend architecture for my project - EasySchool.