ANUPAM SINGH

PRINCIPAL SOFTWARE ENGINEER

CONTACTS

📍 Noida, 201301, India

✉️ anupam.singh.kgp@gmail.com

📞 +91-9519996669

ABOUT ME

As a seasoned software engineer and technology leader, I bring a wealth of expertise to the table, with a robust skill set that encompasses ideation, prototyping, algorithm development, and comprehensive product development. My specialization in full-stack development is underpinned by a deep understanding of software architecture, design, and development. With an extensive background in the field, I have honed my proficiency in a diverse range of programming languages and frameworks, enabling me to craft versatile and robust software solutions adept at meeting any challenge. My technical acumen is complemented by a fervent passion for excellence, which propels me to consistently achieve exceptional results in every endeavor I pursue.

EDUCATION

BACHELOR OF TECHNOLOGY

Indian Institute Of Technology Kharagpur, Kharagpur, India
2006

Computer Science and Engineering

SKILLS

Java

C++

C

Python

React

JavaScript

TypeScript

Android

OpenGL

AWS

Azure

Google Cloud

Firebase

PostgreSQL

Kubernetes

WORK EXPERIENCE

PRINCIPAL SOFTWARE ENGINEER
Indifair Technologies, Noida

OCT - 2019 | PRESENT

• Conducted comprehensive technology evaluations, focusing on backend, frontend, and search capabilities, ensuring selection based on feature-richness, user-friendliness, scalability, and extensibility.
• Spearheaded the architecture and design of backend, frontend, and search functionalities, delivering both high-level and lowlevel design blueprints, along with wireframes that transitioned into robust class structures.
• Engineered the backend infrastructure utilizing Java, Spring Boot, PostgreSQL, and Elasticsearch, optimizing for performance and reliability.
• Developed and implemented RESTful APIs to seamlessly expose backend services.
• Crafted dynamic user interfaces employing React, enhancing user experience and interface responsiveness.

SENIOR LEAD SOFTWARE ENGINEER
Letslink, Noida

JUN - 2015 | SEP - 2019

• Spearheaded architecture and design of comprehensive app and backend solutions, including high-level and low-level design documentation and wireframe creation.
• Expertly developed Android applications utilizing Java and leveraged Android Studio integrated with Gradle for streamlined app development processes.
• Implemented robust SMS-based authentication mechanisms using Google Firebase for enhanced security.
• Engineered a scalable backend infrastructure with Google Firebase and Firestore, ensuring efficient data management and retrieval.
• Designed and maintained a real-time database in Google Firebase to store and manage social media content, including contacts, profiles, posts, likes, and comments.
• Optimized storage and retrieval of multimedia content, such as videos and images, using Google Firestore for high-performance data handling.

LEAD SOFTWARE ENGINEER
Tulicotech, Noida

JUN - 2012 | MAY - 2015

• Spearheaded the architecture and design of a robust framework, ensuring a solid foundation for system development.
• Crafted both high-level and low-level design documents to guide cohesive software construction.
• Engineered the framework's core, seamlessly integrating a third-party HTML parser to enhance functionality.
• Innovated and deployed an efficient page caching algorithm, optimizing performance within the framework.

LEAD SOFTWARE ENGINEER
Samsung Electronics, Noida

OCT - 2011 | MAY - 2012

• Engineered an OpenGL ES-based backend for the Cairo rendering library on Qualcomm Mali SoC, achieving significant runtime performance boosts for Samsung Smart TV applications.

SENIOR SOFTWARE ENGINEER
Intellyweb, Pune

DEC - 2008 | SEP - 2011

• Pioneered a cutting-edge adaptive multimedia streaming algorithm to enhance performance across fluctuating network environments through dynamic bit rate adjustment.
• Led the strategic development and execution of a resilient adaptive multimedia streaming module, guaranteeing uninterrupted media delivery.

SOFTWARE ENGINEER
Nvidia, Pune

AUG - 2006 | NOV - 2008

• Engineered an innovative object code section for Nvidia graphics compiler to facilitate just-in-time compilation on resource-constrained embedded devices.
• Spearheaded the development of frontend, code optimizer, and backend components for Nvidia graphics and CUDA compilers.
• Crafted advanced graphics applications utilizing OpenGL and Cg.