

Anit George

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About Me

Innovative and result-oriented Software Engineer with 10+ years of experience facilitating cutting-edge engineering solutions in social networking, e-commerce and Mobile Phone Operating Systems. Extensive expertise in designing, developing and administering large scale distributed systems

Technical Skills

Domains :	Distributed systems, Natural language processing, Word prediction Handwriting recognition, Geolocation, RTOS
Mobile Platforms:	Android and Tizen mobile phones, tablets and wearables, and Samsung GSM
ML Libraries:	Amazon Proprietary Sentiment Analysis Libraries and WordToVec Libraries
Cloud Services	Amazon AWS
Programming Languages:	C, C++, Java, Perl, JSP

Work Experience

Lead Software Engineer, Nike (Bangalore) November 2020 - December 2021

- **Nike Inventory Management**

As the tech lead of the project, designed, prototyped and developed a platform which gives the consumers insight into on-hand and in-transit inventory, to make precise promises to the customers on their digital deliveries. This platform is expected to be the source of truth for all the on-hand and in-transit inventory Nike holds at any point of time.

Designed and developed services which validates the order-eligibility in the checkout before the order is finalized. Every order placed on Nike online platforms hits these services. At the peak of 2021 online traffic, these services withstood half a million requests per minute.

As the tech lead of the initiative, redesigned and moved the services which handles the Supply systems of the Nike inventory from non-containerized services deployed on AWS EC2 to docker-based services and deployed them over to AWS ECS. This included hosting services and databases, and enabling data replication across multiple AWS accounts and implementing an AWS private-link communications to reduce the customer impact while transitioning

- **Nike Order data Management**

As the tech lead of the project, designed and developed microservices and microlibraries to handle the life cycle of multiple order types Nike supports. The order details are fetched and the attributes are validated/augmented from multiple data sources.

Software Development Engineer II, Amazon (Bangalore | Seattle) June 2016 - July 2019

- **Amazon Checklist**

Prototyped, designed, developed and maintained a Business-to-Business List based service on amazon.com with 1000+ unique pre-curated shopping-lists, 15 Million+ users and 80K+ weekly average page-hits. The full stack project was powered by the best of AWS solutions. Also, handled the technical lead role for this project, guiding 5 member team to achieve their deliverables and coordinated with the stakeholders at every phase of the project life-cycle

- **Sentiment Analysis on Customer Reviews**

Implemented a backend service to fetch product reviews from Amazon's Review datastores, extract sentiments from the Natural Language Texts using Amazon proprietary Natural language processing libraries and rank products based on customer sentiments. Being an experimental project, I was the sole resource working on this project

Lead Engineer, Samsung Research Institute (Noida, India) June 2011 - June 2016

- **Handwriting Recognition Engine**

Designed, implemented and integrated a Time Series based Real-time Intelligent Character Recognition(ICR) engine for handwriting recognition on Android Platform which supports character recognition, word prediction, word correction and next word prediction. Programming Language: Java

- **Geolocation Finder**

Designed and Prototyped a location tracking Application for Tizen OS using Samsung Proprietary Cell Tower Triangulation libraries. Programming Language: C++

- **T9 based Predictive Text**

Implemented Text prediction engine for Samsung ultra-low-cost mobile phones using a multi-step encoding, compression and decoding scheme on a trie-based architecture. The system also supports In-place decompression of data to avoid loading of large chunks of data. Programming Language: C

Internship

IIT Bombay: April 2010 - June 2010

Implemented a Media integration tool for e-learning resources on JavaFX Platform under Prof. Deepak B Phatak, Department of Computer Science & Engineering.

Education

College : Maulana Azad National Institute of Technology, Bhopal [2007-2011]

Degree : Bachelor of Technology

Course : Computer Science and Engineering

CGPA : 8.4/10