

Angadpreet Nagpal

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Summary

Polyglot Full Stack Software Engineer with experience building front end and mobile applications and high performant production backends. I also have experience in Data Science and Deep Learning ([Projects](#)).

Skills

Frontend & Mobile Frameworks: React, React Native, Kotlin, Android, Swift, Flutter, and Angular.

Backend Languages & Frameworks: C#, Python, Java, JavaScript, Express, Scala, C# MVC, PHP.

Cloud Services: Kafka, RabbitMQ, AWS Lambda, Azure Functions, AWS S3, EC2, SNS, Redis, Docker.

Databases: Microsoft SQL Server, MongoDB, PostgreSQL, Elastic Search, Fauna DB.

Education

Indian Institute of Management, Ahmedabad **Sept 2024 - Present**
Master of Business Administration – Online/Blended GPA: N/A

University of Southern California, Los Angeles, CA, US **Aug 2017 - May 2019**
Master of Sciences (Computer Science) GPA: 3.33

Coursework: Machine Learning, Introduction to AI, Applied NLP, Data Mining, Web Technologies

Thapar Institute of Engineering and Technology, Patiala, PB **Jun 2011 - Jun 2015**
Bachelor of Engineering (Computer Science) GPA: 9.24

Work Experience

Software Development Engineer 2 (Backend) | Amazon, Bangaluru, KA, IN **Aug 2021 – Present**

⇒ **Project: Search Navigation Engine**

- Leading the development of a new tier-1 service aimed at optimizing product discovery through advanced filtering mechanisms.

⇒ **Project: Video Search**

- Implemented video search feature by integrating customer review videos into search results.

⇒ **Project: Semantic Matching**

- Worked on integrating semantic search into production systems using open source HNSW algorithm.
- Launched deep learned models worldwide by tuning hyper parameters using query replays.

Senior Software Engineer | M56 Studios (Creative Labs, CAA), Bangalore, KA, IN **Oct 2020 – Aug 2021**

- Spearheaded the development of a React Native application for smart showerhead that provides water and energy usage statistics, temperature alerts, and soap mixing functionalities.
- Designed an SVG component similar to Google Fitness App with API integrations written in Express.

Software Engineer | Zynga Games, Bangalore, KA, IN **Mar 2020 – Oct 2020**

- Coded and managed levels for **Willy Wonka Slots** – including More More Jelly, and One More Round Please and Arcade games. The game is rated 4.2 on Google App Store, has more than 1M installs.
- Conducted EOS experiments to optimize game play experience with different variants and audiences.

Software Engineer | Microsoft, Hyderabad, TL, IN **Jun 2015 – Jun 2017**

- Built microservices from legacy to speed up billing process for **Volume Licensing**, \$40 billion business.
- Led the development of internal tools (Certificate Management, BCDR) to increase automation.
- Analysed sales records to model discount to be given to companies using Azure Machine Learning.

Projects

ColorsMultiplayer

[AppStore](#) [Play Store](#) [Github](#)

- Programmed a Flutter App for playing turn-based **Candy Crush** with agent. Also includes hint.
- Trained the agent using Minimax algorithm which computes the best move using the turn.