

ALFARHAN ZAHEDI

Senior Software Development Engineer

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PROFESSIONAL EXPERIENCE

AMAZON

Senior Software Development Engineer

Hyderabad, Telangana, India

JUL 2024 - Present

- Working in Identity Services.
- Leading a team of 8 engineers to develop the in-house CX for performing face liveness check and face matching with government ID images collected from the customer.
- Leading the initiative to make logs and logging more efficient in Identity Services; estimated to save \$4 MM per year.

Software Development Engineer II

DEC 2021 - JUNE 2024

- Led the modernization of Authentication Service (provides customer account creation, sign-in, etc; serving at 260K TPS) by migrating it away from an old and deprecated in-house framework. The migration increased breaking point TPS of an individual service host by 500, improved security posture of a critical service and boosted developer productivity.
- Led the development of in-house CX for performing identity validation and verification. The CX is used across various parts of Amazon like Amazon Pharmacy for verifying identity of customers ordering restricted medicines, self-service Amazon account recovery and verification of developers prior to app upload in Amazon Appstore to reduce submissions from bad actors and fraudsters.
- Mentored and grew 3 SDE1s to SDE2. Took 30+ coding and design interviews.

Software Development Engineer I

JUL 2020 - Nov 2021

- Designed and developed a request-response caching library that is used across critical tier-1 services in Identity Services.
- Aided in the modernization of Address Service (data custodian for customer addresses and contact information; serving at 1 MM TPS) by simplifying the request path for cross-region calls.
- Revamped the subscription model used to receive/consume data of customer events (sign-in, password reset, etc), thereby, reducing accidental unsubscriptions to 0. In addition, automated the client onboarding process for receiving customer events, decreasing operational load by 90%.
- Took and drove over 10+ learning sessions, mentored interns and assisted the onboarding of new engineers.

DIRECTI

Software Engineering Intern

Mumbai, Maharashtra, India

DEC 2018 - MAY 2019

- Worked in CodeChef.
- Developed the admin portal to view the winners of different CodeChef competitions under different categories, eliminating the operational load for winner selection and prize distribution.
- Single-handedly migrated the CodeChef's discussion forum from OSQA to [Discourse](#) while maintaining complete backwards compatibility with zero data loss.

EDUCATION

HERITAGE INSTITUTE OF TECHNOLOGY

B. Tech; Computer Science and Engineering

Kolkata, West Bengal, India

AUG 2016 - JUL 2020

- **DGPA:** 8.82/10
- **Undergraduate Coursework:** Algorithms, Data Structures, Computer Networks, Database Management System, Operating Systems, Software Engineering

ADDITIONAL INFORMATION

- **Technical Skills:** Java (proficient), C++ (prior experience), Git (proficient)
- **Awards:** Client Recognition Award (Q1 2024, Amazon), Making Others Great Award (Q1 2024, Amazon), Rockstar Award (Q2 2022, Amazon), Client Recognition Award (Q1 2022, Amazon), Rockstar Award (Q1 2021, Amazon). ACM ICPC Regional Qualifiers (2019 & 2018), CodeChef API Hackathon Global Winner (2018)