

Jitesh Kumar Jha

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EDUCATION

MANIPAL INSTITUTE OF TECHNOLOGY

BTECH IN COMPUTER SCIENCE
2018 | Manipal, India
CGPA :9.22/10

LINKS

Github://jiteshjha
LinkedIn://jiteshjha96

SKILLS

PROGRAMMING

Proficient:

C++ • Java • Python • Ruby • Verilog

Moderate:

CSS3 • JavaScript • C# • PHP

• MySQL • \LaTeX

FRAMEWORK

Ruby on Rails • Bootstrap • ReactJS •
Android • Spring

OS

Linux(Ubuntu) • Windows

HONORS AND AWARDS

2016 Finalist, Microsoft Code.fun.do Hackathon

2015 Top App Idea, Microsoft Code.fun.do Hackathon

2014 AICTE Scholarship for 4 year undergrad degree

EXPERIENCE

AMAZON DEVELOPMENT CENTRE (INDIA)

Software Development Engineer 2 | October 2020 - December 2022

- Founding member of India Insurance team, built network architecture, post-ordering experience and devised security protocols from grounds up for Auto Insurance marketplace.
- Spearheaded development & launch of Endorsement feature for Auto Insurance, in collaboration with Third-Party insurance partner - **Acko**.
- Tech lead for a group of 3 SDE-1's, collaborated with internal product & tech teams for the launch of Auto Insurance widget on Amazon.in homepage with a simplified, one-page insurance purchase experience.

Software Development Engineer 1 | August 2018 - September 2020

- Worked on creating a short-circuit alternative pipeline to the retail ordering pipeline for Add Money feature, reducing P99 latency by 30%.
- Led various initiatives in the team for Amazon Pay Wallet re-architecture - reducing number of hop services, introducing DynamoDB in-memory cache (DAX) for read-heavy operations, and moving a major service into a pluggable library.

Software Development Engineer Intern | Jan 2018 - July 2018

- Analyzed internal ordering pipeline and improved customer experience by developing a system to cancel Add-Money orders for Amazon Pay on order timeout.
- Improved Add-Money order fulfillment workflow health by resolving several key issues.

Stack: Java spring-inspired internal framework, Pearl, GraphQL, internal workflow management system, AWS Services - DynamoDB, SQS, SNS, StepFunctions, Lambda, VPC, CloudWatch, AppSync, ECS

UNIVERSITY OF OLDENBURG | SUMMER RESEARCH INTERN

May 2017 - July 2017 | Oldenburg, Germany

- Worked on the Spin glass configuration energy with Traveling Salesman Problem. Employed Concorde - A network optimizer to different excited states constraints of spin glass configuration for lowest energy tour simulations.

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER

April 2016 - August 2016 | Remote

- Worked on establishing an Internationalization framework on publiclab.org with ruby-l18n using Test-Driven Development Approach and Transifex on local server - for organizing translation effort.

PROJECTS

HELLO_FRIEND - Q&A SERVICE

- A SMS-based natural language question answering service in **Flask/Python**.
- Classified user queries into different question classes and generated response according to question class.

APRIORI ALGORITHM FOR FREQUENT ITEMSETS MINING

- Parallel implementation of Apriori Algorithm in MPI and OpenCL libraries with vertical data format approach.
- Achieved a speed up of 46% over sequential Apriori algorithm.