YASH KUMAR SAIN

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EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023[!]	MTech (D al Deg ee 5Y)[!]	IIT Kha agp	7.89/10
2023[!]	BTech (D al Deg ee 5Y)[!]	IIT Kha agp	7.89/10

EXPERIENCE

Frontend Tech Lead, Hiccup Dating App — Feb'25 – Oct'25

- A chi ec ed p od c ion-g ade c o -pla fo m app ing Fl e , gRPC, and p o ob f i h f ll a nc, e en -d i en comm nica ion
- Implemen ed ob a h em i h ef e h oken , pe i en e ion , offline local caching, and eamle eco e ac o app lifec cle and ne o k an i ion
- In eg a ed Ri e pod-ba ed global a e managemen en ing SOLID compliance, clean a chi ec e, and calable a nc fea e in eg a ion
- Main ained >90% c a h-f ee a e i h Fi eba e C a hl ic , pe fo mance moni o ing, and 23 c om anal ic e en
- De igned f ll po c ea ion and pload em i h backg o nd comp e ion, e -backed Dio q e ing, and in elligen ne o k-a a e a e handling
- B il bidi ec ional enc p ed cha ia gRPC eam i h li e deli e / ead eceip and offline nch oni a ion
- Enginee ed TikTok- le di co e feed i h op imi ed ba ch q e ing, la media loading, and ipe- o-p ofile an i ion
- Implemen ed p opo al and gif ca alog fea e i h Ra o pa pa men and efficien da a e ac o ab o minimi e ndan q e ie
- Enabled nified p ofile edi ing i h op imi ic pda e and ingle-call nch oni a ion of all e a ib e
- En ed GDPR and CCPA compliance fo ec e da a handling, con en acking, and anal ic p i ac anda d

Software Engineer, Optym — Jul'23- Feb'25

Project 1 – WheelsUp Flights Scheduling

- Anal ed and op imi ed P SQL q e ie in Po g eSQL da aba e o ed ce ed ndan m l i-endpoin call and imp o e q e efficienc fo fa e e pon e ime
- De igned comple e En i Rela ion hip Diag am (ERD) fo doc men a ion and kno ledge an fe of da aba e c e
- Re ol ed m l iple p od c ion b g ac o Po g eSQL da aba e, P hon backend, and P SQL q e la e en ing con i en da a acc ac and backend eliabili

Project 2 – GateAI | Southwest Airlines

- B il and main ained backend e ice o manage ai c af ga e a ignmen op imi ing fo minim m ga e co , minim m pa enge and c e an fe ime, and ga e p io i i a ion among o ned, ha ed, and ai po ga e
- De igned calable da aba e chema and API ing Node.j and T peSc ip fo e en-d i en a chi ec e p oce ing 1M fligh e en pe ai po dail
- In eg a ed AWS Lambda, E en B idge, RDS (Po g eSQL), SQS, SNS, and SES o handle a nch ono o kflo , no ifica ion , and fa l- ole an da a inge ion
- De eloped e en model fo So h e Ai line fligh , c e , and commodi eam pe fo ming eal- ime da a an fo ma ion aligned i h in e nal DB chema fo op imal p oce ing
- Implemen ed comple algo i hm fo connec ing pa enge , c e , and commodi ie incl ding an i ime calc la ion and fligh connec ion alida ion ba ed on ETA and ETD b ffe
- Refac o ed majo mod le o adop CQRS pa e n, SOLID p inciple , and f nc ional p og amming imp o ing em main ainabili and pe fo mance
- Enginee ed efficien API la e fo op imi ed da a e ie al and e c ing enabling Ga e Op imi a ion Engine o p od ce nea eal- ime ched ling in igh fo clien da hboa d
- Con ib ed o a chi ec e deci ion and b g e ol ion a ing million in ope a ional co and ecei ed pe fo mance bon of 6 L INR fo e cep ional o k

SKILLS

Fl e (P od c ion-G ade A chi ec e)	gRPC & P o ocol B ffe	Clean A chi ec e & SOLID P inciple
Ri e pod S a e Managemen	C o -Pla fo m App De elopmen (iOS & And oid)	Backend In eg a ion (Node.j , AWS Lambda, Po g eSQL)
A nc E en -D i en S em	A hen ica ion & Sec e Se ion Managemen	Pa men Ga e a In eg a ion (Ra o pa , S ipe)
Real ime Cha & Me aging S em	App Pe fo mance & C a h Moni o ing (Fi eba e S i e)	Da a P i ac & Compliance (GDPR, CCPA)
UI/UX & Re pon i e Anima ion (Ma e ial, C pe ino, Gla mo phi m)	API De ign & Da a Modeling	Da aba e A chi ec e & Q e Op imi a ion