

Vaibhav Malhotra

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EDUCATION

Iowa State University

Bachelor of Science, Software Engineering

Ames, IA

2014-2018

EXPERIENCE

McGrawHill

Vancouver, BC

Senior Software Engineer Consultant (Remote)

July 2023 – November 2023

- Helped in Hiring and onboarding backend team for new Education Platform [Sharpen](#) by McGrawHill.
- Worked on building a Federated GraphQL Backend Service for the Sharpen App powered by AWS.
- Worked on setting up Infrastructure to streamline deployments, pipelines, and running Integration Tests.
- Worked on OpenAI Integration with Vector DB for Search Optimization.
- Worked on existing API Optimization, new features and design of new microservices

Amazon

Vancouver, BC

Software Development Engineer

May 2020 – July 2023

- Built and maintained services that handled over 1 million requests per day using JAVA and AWS.
- Created a data map to streamline shipping cost calculations, cutting latency in half and saving over \$100,000.
- Worked as an On-Call to improve our service's operational excellence and help impacted services/customers.
- Developed and launched a JAVA-based feature for scheduling deliveries, boosting customer satisfaction by 20%.
- Worked on implementing an AI model pipeline to predict shipping prices using Python.
- Led the migration of legacy systems to Native AWS, resulting in a 50% reduction in cart building time
- Experimented in A/B format to release groundbreaking features for both customers and sellers.
- Worked with the Product team to define business requirements and translate them to technical requirements.

Tocca

San Francisco, CA

Senior Backend Software Engineer

May 2019 – April 2020

- Built Microservices/Serverless functions using Node JS, Firebase Functions and Firestore.
- Built pipelines to connect Serverless functions to the Google Cloud NLP/Vision AI models.
- Implemented NLP-Entity Extraction for converting Business Cards into Digital Cards using Google AutoML.
- Implemented Analytics to analyze user behavior using Google BigQuery.
- Refactored, optimized APIs and created documentation using Swagger.
- Integrated backend services with Salesforce using JSForce.
- Participated in Product Design meetings to define Technical Specification for the Engineering Team.

Skratch Solutions LLC

Des Moines, IA

Full Stack Software Engineer (Remote)

October 2018 – April 2019

- Helped the engineering team move codebase from an off-shore consultant to in house.
- Built End to End tests, Integration tests and added CI/CD support to automate deployment.
- Refactored, optimized APIs, created documentation, maintained and developed new features in Node and React.

SKILLS

Languages: JavaScript, JAVA, Python, HTML, CSS.

Frameworks/Libraries: Express JS, Node JS, Java Spring, TypeScript, Jest, Chai, Mocha, jQuery, Angular, Bootstrap.

Databases: MongoDB, DynamoDB, Firestore, Firebase Realtime Database, BigQuery, MySQL.

Cloud: Google Cloud, AWS, Heroku, GIT, Bitbucket, Travis CI.