

Vivek Bhargav

Software Architect @ Relata

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Experienced software architect and engineering leader with 10 years of experience across startups and global tech giants. Specialized in building scalable backend architectures. Proven track record in leading high-impact teams, designing and maintaining critical logistics, finance and proptech platforms

Education

2011-07 - 2015-05

B.Tech: Computer Science And Engineering

Indian Institute of Technology - Guwahati

Work History

2023-04 - Current

Relata

Software Architect

- Wrote backend services for multiple products including C45 App, Management Console App, Reception App, Tracking App, Sales App and Expo App
- Architected a modular backend using principles inspired from Clean Architecture, Vertical Slice Architecture, and CQRS, guided by Domain-Driven Design (DDD) and close collaboration with domain experts—resulting in reduced development costs and improved maintainability
- Stack Used: Node.js, Typescript, NestJS, Postgres, AWS

2021-10 - 2023-03

Rivigo

Engineering Manager

- Worked on building Relay-as-a-Service platform from scratch.
- Worked directly with CEO and Head of Engineering and managed a team of 35 Engineers for development.
- Worked on FTL system to fulfill all functional and non-functional requirements. The system includes Freight Portal, Freight Backend, Matching Engine, Supply Service, Pilot App, CRM Dashboard, Payment Service, Pricing Service, Invoicing and Billing Service, Whatsapp Terminal and POD Service.

2019-08 - 2021-09

Amazon.com

SDE-II

Worked on backend for FDI Services which enables Amazon businesses to automate their Accounts Payable (AP) and Accounts Receivable (AR) processes. The platform enables applications to send data to OFA in a reliable manner. Worked on Monetary Integration Platform, Vendor Payments Payment Service, External Party Integration Service, OFA Messaging Framework

2018-03 - 2019-08

Rivigo

Senior SDE

Engineered backend for Rivigo Freight Platform which is digitalizing trucking ecosystem by creating an online, self-help ecosystem for customers in logistics industry.

- Engineered Demand Platform covering order posting to final delivery of shipment covering payment, taxation, legalities, tracking and documentation.
- Introduced Grafana, Prometheus, Kibana for real-time centralized monitoring of more than 300 servers resulting in 5x speed up in production issues resolution.
- Created generic Docs Service to handle documents generation across all Rivigo products.

2016-07 - 2017-12

Melzo

Chief Technology Officer

As CTO at Melzo, I was responsible for owning the majority of the codebase while leading a team of developers in feature implementation, wireframing, resource planning, and deadline estimation. I gained hands-on experience in platform selection, architectural decisions, and technical design. Key projects included:

- Melzo.com: A VR platform enabling users to create immersive experiences through a simple drag-and-drop interface.
- RingAR – Allowed users to virtually try on rings in real-time, without the need for physical markers.
- EngageAR – Developed interactive AR applications for advertisements and marketing campaigns.
- VR Live Streaming – Built infrastructure and tooling for real-time VR content broadcasting.

2015-07 - 2016-04

Visa Inc

Software Engineer

As a part of Visa Tokenisation Service Android SDK team, I worked on SDK which third party developers like Android Pay, Samsung Pay can integrate it in their applications to enable users for card less payments (NFC, QR code etc.).

We also developed a sample application which uses the SDK for making payments through NFC.

2014-07 - 2015-06

The Geek Salad

Chief Technology Officer

We developed an Android application which enables a user to send reminders to others. My role was to own app development which included taking design decisions and ensuring cross device compatibility.

2014-05 - 2014-07

Amazon.com

Intern

I worked on the migration of our team's service from deprecated one to fresh service. In a service, we were directly hitting some databases over which our team had no ownership. The target of this project was to remove direct dependencies on such databases and access the required data via an authorized service.

Skills

C++, Java, Typescript, Python

Spring Boot, NestJS, Amazon Web Services

RDBMS, MongoDB, Firebase, Redis, Dynamodb

Android Development, Full Stack Web Development

Angular.js, React.js, Ionic Framework, A-frame, THREE.js

Achievements

All India Rank **1370** out of 4.85 lacs students appeared for **IIT-JEE**

All India Rank **407** out of 11.5 lacs students appeared for **AIEEE**.

Qualified for **ACM-ICPC** Amritapuri Regionals 2013.

All India Rank 19 in Junior Mathematics Olympiad, 2008.

Among **Top 1%** of the country in **National Standard Examination in Physics**.

International Rank 3 & 99 in Stage I and Stage II respectively in **International Mathematics Olympiad**.

Won Hackathon @ Visa Inc. by developing app over company's mVisa Platform.