

# Aishwarya Rao

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## SUMMARY

Software Engineer with 5+ years' experience building distributed systems and developer productivity platforms. Proven track record in designing and scaling internal tools, optimizing performance, and mentoring engineering teams. Strong foundation in algorithms, OOP, and cloud-native development. Passionate about empowering developers with reliable, high-performance infrastructure.

## EXPERIENCE

### AICADIUM.AI | SENIOR SOFTWARE ENGINEER

Apr 2024 – Present, Singapore

- Built internal cloud services and SDLC tooling to improve deployment speed and dev workflows.
- Designed scalable microservices in Golang, Python; reduced API latency by 40%.
- Managed infrastructure using Kubernetes, Docker, and CI/CD pipelines.
- Mentored junior engineers and led design reviews for platform-wide reliability features.

### GOJEK | FULL STACK ENGINEER

Dec 2021 – Jul 2023, Bangalore

- Built a high-volume ad-serving system (Golang, Elixir) handling millions of daily events.
- Boosted ad CTR from 3.5% to 5.28%, adding \$92K/month via improved retriever ranking logic.
- Partnered with platform teams to optimize release automation and monitoring workflows.

### HASURA | SOFTWARE ENGINEER

Jan 2020 – Dec 2021, Bangalore

- Developed Hasura Console (React, TS) and backend features (Golang) for Hasura Cloud.
- Improved dev UX and halved UI load times by optimizing frontend state/data layers.

### SCRIPBOX | SOFTWARE ENGINEER

Dec 2018 – Dec 2019, Bangalore

- Built responsive investment web/mobile apps (ReactJS, React Native).
- Created a design system to standardize UI components across frontend teams.

## PUBLICATIONS

### AARYA – A KINESTHETIC COMPANION FOR CHILDREN WITH AUTISM SPECTRUM DISORDER

- Developed motion-sensor games for ASD therapy. Published in Journal of Intelligent and Fuzzy Systems (IOS Press, 2017).

## EDUCATION

### MASTER OF SCIENCE IN COMPUTER SCIENCE | SOFTWARE ENGINEERING SPECIALIZATION

2016 - 2018 | San Jose, USA

- Focused on distributed systems, cloud computing, and scalable architecture.
- Published research on microservices orchestration and developer experience platforms.

### BACHELOR OF ENGINEERING IN COMPUTER SCIENCE | BTECH IN COMPUTER SCIENCE

2012 - 2016 | Bangalore, India

- Emphasized algorithmic problem-solving, data structures, and full-stack development.
- Led a capstone project on NLP-powered chatbot systems for campus automation.

## TECHNICAL SKILLS

**Languages:** Golang, Python, TypeScript, JavaScript, Elixir  
**Frameworks:** ReactJS, Node.js, React Native, Express  
**Tools/Infra:** Kubernetes, Docker, Git, Prometheus, Grafana, CI/CD  
**Concepts:** Distributed Systems, SDLC, Developer Tooling, OOP, Databases