

Rohin Gopalakrishnan

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Seasoned Software Engineer with 5+ years of backend & infrastructure focused full stack expertise, complimented by a robust entrepreneurial background. I've been known for consistently pushing boundaries in professional and personal pursuits.

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, C, C++, SQL, HTML/CSS
Technologies	Spring Boot, Hibernate, Flask, Node.js, Kafka, MongoDB, JUnit, React/Next.js, REST, E2E Testing
Tools	Kubernetes, Docker, CI/CD, Jenkins, Google Cloud Platform, Amazon Web Services, ELK, Git, Linux
Domains	Backend Development, DevOps, Full-Stack Development

WORK EXPERIENCE

- PayPal | Software Development Engineer II** **Aug 2023 – Present**
- Boosted reliability of a high-volume financial event processor by increasing functional test coverage from 25% to 70%, supporting a system with ~5 billion daily API calls, in a Spring Boot environment.
 - Reduced price change notification latency by 3x for PayPal Crypto users through caching and event-driven updates.
 - Streamlined developer onboarding, cutting setup time from 4-7 days to <1 day through improved guidelines and automation
- Neoscale | Founder** **Oct. 2020 – Sep. 2021**
- Founded a tech consulting firm, leading a 15-engineer team to provide software solutions (frontend, backend, cloud) for edtech, fintech, and health-tech startups, impacting over a dozen clients.
 - Transformed a major crypto exchange's software ecosystem, transitioning from a monolithic .NET solution into Spring Boot/React on AWS with a design refresh, enhancing trade volume (\$250K+/day) and user engagement (20K+ DAU).
 - Architected, built and deployed the entire cloud infrastructure and APIs for an ed-tech startup in India using Terraform, AWS, Kubernetes, and Java with Micronaut.
 - Drove the hiring and onboarding of 15+ engineers, providing interview-to-hire consultancy for startup integrations.
- Crio.Do | Software Development Engineer (Founding Engineer)** **Jan. 2019 – Oct. 2020**
- As Crio's founding engineer, I led the creation of its ed-tech platform, integrating a diverse tech stack (Spring Boot, Python, Kafka, AWS, GCP, Kubernetes, React, SQL, MongoDB) to establish a foundation for scalable education technology.
 - Led a team of six developers to deploy over a hundred REST APIs in Java and built user, auth, workspace, audit functionalities, among others, while establishing robust developer standards and code review practices.
 - Reduced user onboarding time from 10 minutes to < 1 minute, boosting NPS with a developer workspace platform akin to coder.com, using Visual Studio Code pods in a K8s cluster supported by AWS Lambda, EFS, Kafka, Packer.
 - Reduced cloud infrastructure cost by over \$10K/month by refining resource policies, implementing detailed cost reports and dashboards; also ensured a seamless migration from GCP to AWS.
- Center for Cloud Computing and Big Data, PESU | Research Assistant** **Dec. 2019 – May. 2019**
- Teaching assistant for 'Cloud Computing' to a cohort of 120+ students. Published a paper on cloud-based remote monitoring of Elephantiasis patients – presented at the IEEE CCEM 2019 conference.
- Binghamton University | Research Assistant** **Jun 2018 – Aug. 2018**
- Developed a drone collision avoidance system using R.O.S and a Parrot AR Drone.
- Indian Institute of Technology (IITB) | Research Assistant** **May 2017 – Oct. 2017**
- Created an application to teach elementary physics through vehicle simulations using React and GSAP.
- Greenopia | R&D Intern** **Oct. 2016 – Jan. 2017**
- Built a product discovery tool using a chatbot, leading to a 40% increase in seasonal business revenue.
- Appoid Tech | R&D Intern** **Jun. 2016 – Sep. 2016**
- Built a LoRa and Arduino-based self-discovering mesh network to transmit electricity meter data for the government.

CERTIFICATIONS AND ACHIEVEMENTS

- AWS Certified Developer - Associate** | [credentials](#) **2023**
- India's First Botathon, HaptikAI | Runner-up** | github.com/rohinrohin/BroTender **2016**
- Built a conversational chatbot on Facebook Messenger, to automate and simplify customer interaction at restaurants without the need for waiters (featured on [Business Insider](#), selected into Facebook Startup program).
- Ayana Hackathon, PES University | Winner** | github.com/rohinrohin/BroWait **2016**
- ML solution to predict the probability of conformation for waitlisted Indian Railway train tickets.

EDUCATION

- Master of Science in Computer Science, *San Jose State University* **Aug. 2021 – May 2023**
- Bachelor of Technology in Computer Science, *PES University, India* **Aug. 2015 – May 2019**