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ARJUN THAKUR

Founder and Chief Instructor at Tech Pro School, an EdTech company providing corporate technical training, interview preparation services, and courses on software engineering.

Freelance Technical Trainer with a strong background in full stack software engineering. Fourteen years of experience working for big tech companies like Amazon and startups across the globe.

Been on the other side of the interview table and have interviewed hundreds of software engineers for big technology companies including FAANG/MAANG.

KEY SKILLS

- **High Level Design & Architecture:** Distributed System Design, Scalable Architecture, Microservices, Cloud Computing, AWS (Certified Solutions Architect), MVC (Model View Controller)
- **Low Level Design:** Object Oriented Analysis & Design, Design Patterns, SOLID Principles, Clean Code
- **Programming Paradigms:** Functional Programming, Object Oriented Programming
- **Backend Programming Languages:** Scala, Java, Python
- **Frontend Technologies:** JavaScript, HTML, CSS
- **Deployment and Dev-Ops:** Docker, Maven, GIT, Linux
- **Database Skills:** NoSQL, Cassandra, SQL, RDBMS, PostgreSQL, MySQL
- **Computer Science Fundamentals:** Data Structures and Algorithms, Operating System, Networking, Security
- **Web Technologies:** Web Services, REST, Spring Boot, Spring Security
- **Soft Skills:** Agile Methodology, SCRUM, Hiring, Interviewing, Team Management, Startups, Product Launch

CLIENTS

IIT Kanpur, Amazon, SimpliLearn, TalentSprint, NIT Jalandhar, Masai School, Acropolis etc.

TRAINING / TEACHING EXPERIENCE

Founder & Chief Instructor   **TechProSchool.com**   **Oct 2019 - Present**
- Developed techproschool.com using AWS, HTML, CSS, JavaScript, Java, Spring Framework, SQL, etc.
- Trained hundreds of students on how to succeed in interviews with big tech companies
- Delivered hands-on technical training to employees of various IT companies.

Vice President - Learning   **Masai School**   **2021 –2022**
- Delivered hands-on training to the seasoned professionals on AWS, Microservices etc.
- Provided classroom and 101 training (on System Design, Algorithms, Data Structures etc.) to working professionals to help them land a job at top tech companies such as Google, Facebook, Amazon etc.

Freelancing   **Corporate Trainer**   **2014 - 2015**
- Delivered classroom training sessions to various clients including SimpliLearn and TalentSprint.

Acropolis Institute of Tech   **Assistant Professor**   **2013 - 2014**
- Taught cloud computing and computer programming to the undergraduate engineering students.
- Overseen overall progress of students in the classroom sessions and hands-on labs.

NIT Jalandhar   **Teaching Assistant**   **2009 - 2011**
- Taught computer science to hundreds of undergraduate engineering students while pursuing my masters.
- Assisted the students during hands-on labs on Java, Operating System, Data Structures etc.

SOFTWARE ENGINEERING EXPERIENCE

Sr. Engineering Manager   **WayFair (Client of ForaySoft)**   **Mar 2023 – Sep 2023**
- Hired and managed a strong team of full stack engineers.
- Developed a new supplier experience from scratch.

Lead Developer   **CoinSwitch Kuber**   **Dec 2020 – Oct 2021**
- Architected an event driven system for better user experience and faster analytics, BI etc.
- Currently revamping the login flow to remove security vulnerabilities.
- Researched and signed-off a wiki solution which is now being used for documentation across the company.
- Streamlined the hiring process and defined the hiring bar across levels in the tech team.
- Found and fixed scalability bottlenecks using JMeter testing in prod.

Software Dev Engineer	**Amazon**	**July 2019 - Oct 2020**

- Secured Amazon digital payments against CSRF (cross-site request forgery) attacks.
- Made Amazon payment page accessible/friendlier for differently abled users and search engines.
- Integrated payments flow of Amazon Games into Voltron (Amazon digital payments platform).
- Architected a throttling system to make Amazon worldwide digital payments more robust.
- Conducted technical interviews, helped building a team, mentored junior engineers.

Contractor/SDE	**Various Client Companies, Seattle/Bengaluru**	**Nov 2017 - Mar 2019**

Porch.com (Seattle) connects homeowners with local home service professionals. Worked remotely for Porch, developed Scala Microservice, deployed them with Docker.

- Developed a Microservice from scratch to integrate backend systems of Porch with Facebook Marketplace.
- Doubled the service quote requests (from customers) by reaching 200 million Facebook users in the USA.
- Actively mentored and reviewed code of backend developers.

Domino Data Lab is an enterprise data science platform that allows data scientists to build and run models.

- Wrote Python scripts to migrate and optimize MongoDB data for efficient sorting of analytics data.

Software Engineer	**Agoda.com, Bangkok**	**Aug 2016 - Aug 2017**

Agoda.com, a Booking Holdings company is the fastest-growing online travel platforms.

- Developed shared libraries, leading to 10% increase in number of tracked users.
- Contributed to development of home-grown A/B testing solution that consumes and processes millions of messages. Tech stack had Scala, Cassandra, Kafka etc.

Sr. Software Developer	**Hadoolytics Technologies, Gurugram**	**Apr 2015 - Aug 2016**

MyMeter is a mobile app that controls smart electricity meter (IoT devices).

- Managed a team of iOS and Android developers since conception till launch.
- Developed backend services and modeled Cassandra data store.
- Architected & designed the website from scratch, developed features with Java, Spring and Cassandra.
- Introduced SwaggerUI to automate API documentation, it saved around 20% of time across teams.

Trainee Technology	**Sapient**	**Aug 2011 - Jan 2012**

- Migrated contents of TDBank.com to Tridion CMS, for decreasing page load time.

VOLUNTEER WORK EXPERIENCE AND ACHIEVEMENTS

- Created hands-on lectures on server programming and achieved 200,000+ views on my YouTube Channel.
- Published a Research Paper in an international journal to help webmasters achieve more traffic to websites.
- Secured scholarship from the Government of India by cracking GATE (all India engineering entrance exam).

EDUCATION

- Master of Technology in Computer Science Engineering from NIT, Jalandhar (2009 - 2011). CGPA 7.5/10.
- Bachelor of Engineering in Computer Science Engineering from RGPV, Bhopal (2005 - 2009). CGPA 6.8/10.