Mohit Anand

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Personal Statement

I'm a self-driven full-stack engineer with a strong foundation in backend development. My goal is to develop innovative solutions that have a positive impact on people's lives and drive meaningful change through technology.

EDUCATION

MSc Advanced Computer Science With Data Science

University Of Strathclyde • Glasgow, Scotland, UK   **Jan 2023 - Jan 2024**

B.Tech. Information Technology

Dronacharya Group Of Institutions • India   **May 2011 - Dec 2015**

WORK EXPERIENCE

Delta Corp Limited • India • Full-time   **Dec 2015 - Mar 2021**

Adda52 is an online gaming platform that offers poker games and allows users to play games online and win real cash.

Senior Software Engineer - Adda52 Poker Application

- Successfully redesigned the backend system from a monolithic to a microservices architecture, resulting in a 30% increase in system efficiency and scalability.
- Spearheaded a technology upgrade, incorporating cutting-edge practices, which enhanced system performance by 25%.
- Achieved a 40% reduction in operational costs through strategic resource optimization and system enhancements.
- Implemented load balancing and fault tolerance techniques, improving system availability by 35% and reducing user experience disruptions.
- Reduced server storage requirements by optimizing data usage, significantly cutting costs.
- Technologies used - Java, Kotlin, Spring Boot, Redis, RabbitMQ, Kafka, Node.js, MariaDB, MongoDB, Docker, Amazon Web Services, Kubernetes, WebSockets, SmartFoxserver, Unit Testing, Integration Testing, Android, Xamarin, Firebase, Apple Push Notification service, PushWoosh and more.

IMRB-Microsoft • India • Internship   **Jun 2014 - Jul 2014**

Technology Evangelist

- Participated in an IT empowerment program for MSMEs from June 2014, focusing on business growth and market expansion.
- Worked on live projects, offering practical experience and collaborative learning.
- Received comprehensive training in Microsoft Office 365, enabling effective website and software development.
- Engaged directly with MSMEs to understand their needs and provide customized IT solutions.
- Played a key role as a 'Technology Evangelist', aiding businesses in optimizing their operations and enhancing my practical IT skills.
- Technologies used - C#, .Net, MVC, Entity Framework, WCF, WPF, Sharepoint, Windows Form, Microsoft SQL Server, Office 365 and more.

PROJECTS

Junit Exercise Challange   Jun 2023 - Aug 2023
Dissertation

- Developed the JUnit Challenge Exercises Application, a web-based tool aimed at enhancing JUnit test writing skills for programming students.
- Designed a user-friendly platform with a vast library of testing exercises and customizable challenges.
- Utilized iterative testing and feedback to enhance usability and user experience.
- Conducted user studies, effectively boosting students' JUnit test writing abilities.
- Contributed to the field by addressing the need for dedicated JUnit testing-focused learning platforms.
- Technologies used: Java, Spring Boot, React.js, Firebase, Firestore, Docker, AWS, and more.

Cachy - Social Media Platform   Apr 2021 - Dec 2022
Freelancing

- Key developer in a dynamic communication platform, specializing in Microservices Architecture with Java Spring Boot and Node.js.
- Created features like an **End-to-End Messenger, audio/video Call functionality**, Select Listing, and Feeds, boosting user engagement.
- Managed databases including **PostgreSQL**, **DynamoDB**, **MongoDB**, and **Redis**, improving response times.
- Streamlined data communication using **JSON and Protobuf.**
- Integrated high-quality WebRTC audio/video calls with TURN/STUN servers.
- Utilized AWS SQS, GCP for scalable cloud infrastructure, and implemented Cloud Front with S3 for CDN.
- Automated CI/CD pipelines using Jenkins and Docker.

CERTIFICATIONS

Microsoft Certified Professional (Certification Number : E439 6968)

Microsoft Technology Associate (Certification Number : E439 6969)

SKILLS

Artificial Intelligence, Machine Learning, Deep Learning, Big Data, Microservices, Spring Boot, Amazon Web Services, Docker, Kubernetes, Unit Testing, Integration Testing, WebSocket, PostgreSQL, MariaDB, Microsoft SQL Server, SQLite, MongoDB, RabbitMQ, Android, NumPy, Pandas, Kafka, CSS, Tailwindcss, HTML, React.js, Typescript, Prometheus, Grafana, gRPC, Spring Data JPA, Spring Security, ELK stack, ECS, EKS, S3, SQS, Swagger, WebRTC

Programming Languages: C#, Java, Python, Kotlin, C++, Javascript, C

Technical: Agile Development, Cloud Technologies, DevOps, GitHub, Microsoft Technology, Software Engineering, Windows, WCF, WPF, Windows Form, React.js, gRPC, Git

Competencies: Technical Design, Engineering Practices, Software Development, Computer Science, Problem Solving, Code Refactoring, Mathematics

Soft Skills: Leadership, Collaboration, Creativity, Flexibility, Innovation