Anuj Joshi

Senior Software Engineer | Full-Stack Developer

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Summary

Senior Software Engineer with over 10 years of experience delivering enterprise-scale web applications. Specialised in React and TypeScript front-end engineering, cloud platforms, CI/CD automation, and reliability practices. A cross-functional collaborator with a strong focus on scalable architecture and operational excellence.

Technical Skills

Front End: React, Next.js (App Router), TypeScript (strict), Modern JavaScript, HTML5, CSS3, Accessibility (WCAG), Tailwind CSS

Back End: Node.js, REST APIs, OpenAPI, GraphQL (schema-first), PostgreSQL, Python (Django), Ruby on Rails

Cloud & DevOps: Google Cloud, AWS, Docker, Kubernetes, CI/CD (GitHub Actions, CircleCI), Serverless (Cloud Functions)

Quality & Architecture: System design, scalability, TDD, unit and integration testing, observability (New Relic)

Experience

Deutsche Bank   **2020 – Present**
Senior Software Engineer   *Frankfurt, Germany*
- Built and maintained enterprise-scale front-end applications using React, TypeScript, and modern JavaScript.
- Led cloud modernisation initiatives, including GKE infrastructure setup and OpenShift (OCP 4) migration.
- Standardised CI/CD pipelines using GitHub Actions for one-click and scheduled deployments across microservices.
- Improved system reliability through New Relic monitoring and integrated Prisma scanning into CI/CD to enhance security.

Candylabs   **2017 – 2020**
Software Engineer   *Frankfurt, Germany*
- Delivered full-stack web applications using React, Redux, Django, and GraphQL.
- Built CI/CD pipelines with CircleCI, Docker, Kubernetes, and Google Cloud Platform.
- Developed automation services, including Slack bots, using Firebase, Cloud Functions, and webhook integrations.
- Produced analytics dashboards using BigQuery and Google Data Studio.

Leapfrog Technology Inc.   **2014 – 2016**
Associate Software Engineer → Software Engineer   *Kathmandu, Nepal*
- Owned end-to-end delivery across design, development, deployment, and maintenance of production systems.
- Developed Ruby on Rails applications and REST APIs, improving code quality through TDD and structured code reviews.

Selected Projects

Real-Time Multiplayer Game (Pew Pew)   *Winner, React Riot Hackathon*
Built a real-time multiplayer game with low-latency player synchronisation. *(JavaScript, WebSockets)*

Data Analytics of Irregular Sensor Data
Applied decision-tree classification to frequency-domain sensor data, including feature extraction and predictive modelling. *(Python, NumPy, Pandas, scikit-learn)*

CNN-Based Finger Detection
Developed a real-time camera interface for finger counting using convolutional neural networks. *(Python, PyQt, TensorFlow, OpenCV)*

Education

M.Eng. in Information Technology   2016 – 2018
Frankfurt University of Applied Sciences, Frankfurt, Germany
Key Modules: Distributed Systems | Autonomous Intelligent Systems | Computational Intelligence | Mobile Computing | Stochastic Signals | Computer Networks

B.E. in Computer Engineering   2011 – 2015
Kantipur Engineering College, Tribhuvan University, Kathmandu, Nepal
Key Modules: Data Structures & Algorithms | Distributed Systems | Artificial Intelligence | Big Data Systems