

## ANGESH POKHAREL

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### FULL STACK JAVA DEVELOPER

Accomplished Java developer with history of success playing key role at all phases of software development lifecycle. More than 4 years of hands-on experience in full stack development using Java, Servlets, JSP, Angular, Node.js, Express, SQL, RESTful, and React. Advanced technical experience as Native Android and iOS developer as well as enterprise web developer for e-commerce platforms and companies. Personable team player with talent for collaboration with diverse cross-functional teams.

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Java Programming • Web Application Development • Algorithms • Object-Oriented Programming  
Software Engineering • Front-End / Back-End Development • Database Development • User Interface Design  
Analysis • Testing & Troubleshooting • Web Services (XML Base / HTTP Base)

**Languages:** Java, C++, Python, Bash

**Web:** Servlets, JSP, JavaScript, jQuery, Ajax, Node.js, React.js, Redux.js, HTML5, CSS3

**Web Services:** SOAP, RESTful API, Microservices

**Web and Application Servers:** Tomcat

**Frameworks:** Express Framework, Angular, Spring (Boot, MVC, Data, Security, Cloud, AOP, IOC-Dependency Injection), Hibernate

**Databases:** MySQL, SQLite, MongoDB

**Design Patterns:** Singleton, Factory, Observer, Session, Session Factory, Proxy, Template

**SDLC:** Agile / Scrum, Waterfall

**Tools:** Azure, Bootstrap, Eclipse, VSCode, STS, IntelliJ, GitHub Desktop, Docker, Workbench (SQL)

**Big Data Technologies:** Hadoop Framework, MapReduce, Pig, Hive, Sqoop, HBase

**Platforms:** Windows, Mac, Linux

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### PROFESSIONAL EXPERIENCE

#### MENTEE, Kathmandu, Nepal • 2020-2021

Leading Nepalese online education platform.

**Senior Web Developer:** Oversaw full-stack application development for online education platform; built scalable websites using N-Tier Architecture.

- Implemented WebRTC at backend by replacing Twilio for live online classes as microservice, reducing external API and maintenance cost.
- Implemented geospatial filtering to provide location-based search.
- Managed front-end in React.js with routing and redux management. Coded, tested, and deployed functionalities; conducted requirement analysis; provided production support.
- Investigated spikes and suggested resolution to technical issues.
- Produced efficient code in Java using Object-Oriented concepts and functional programming approach.
- Tested and deployed new programs and features in development, acceptance, staging, and production environments. Performed troubleshooting, debugging, and upgrading of existing applications.
- Successfully deployed new features using blue-green deployment in staging and production environments. Provided KT session for full verification to newcomers.
- Managed authorization issues and updated logic for restricting roles in various environments.
- Created and tested mock data in various environments; assisted ITQA team in verifying testing.
- Created tickets for incidents; assigned to appropriate team during support activities.

**Technologies Used:** Java, React, Spring Boot, Microservices, REST API, JWT, PCF, Spring Cloud, Functional Programming, Lambda Expression, HBase, Gemfire, Dynatrace, Pivotal Tracker, IntelliJ, Insomnia, Swagger, RabbitMQ, Junit, Mockito, Azure, MacOS

**EDUCATION PARK PVT. LTD., Kathmandu, Nepal • 2017-2020**

Leading educational consulting company.

**Senior Full Stack Engineer, Kathmandu, Nepal • 2018-2020:** Developed new responsive website for education consultancy and Android app to support e-learning.

- Implemented Machine Learning to provide college recommendations based on behavioral matching.
- Coded and developed functionality in alignment with project specifications.
- Performed requirement analysis and investigated viability of requested features.
- Produced clean, efficient code in Java using Object-Oriented concepts and industry standards.
- Performed authentication and authorization for users using Spring Security, OAuth2, and JWT.
- Tested and deployed new programs and systems.
- Conducted troubleshooting, debugging, and upgrading of existing software.
- Successfully integrated software components and third-party programs.

**Technologies Used:** Java, Spring, Spring Boot, Micro services, REST API, OAuth2.0, JWT, Docker, MySQL, JavaScript, jQuery, MongoDB, JUnit, Mockito, IntelliJ, Thymeleaf, HTML, CSS, Bootstrap, GitHub, Oracle Cloud, Windows

**Full Stack Developer (Remote), Kathmandu, Nepal • 2017-2018:** Assisted in developing enterprise applications.

- Analyzed requirements to define application objectives and functionality.
- Designed, coded, and implemented user interfaces and back-end components.
- Performed unit testing and deployed final products to production.
- Wrote high-performing, robust code using Java and Java-based technologies.

**Technologies Used:** Java, Spring MVC, Spring-Boot, JavaScript, jQuery, Ajax, MySQL, Bootstrap, JUnit, Eclipse, IntelliJ, Git, Windows

## ACADEMIC PROJECTS

**E-Commerce Application (MIU, 2022):** Implemented e-commerce application with features for adding items, online carts, ordering and payment, tracking, shipping, order confirmation emails, and order receipt.

- **Technologies Used:** Java/J2EE, Spring (Boot, Security, AOP), JPA, MongoDB, Hibernate, React, JavaScript, Material UI, CSS3, Git

**Movie Recommendation System (National Institute of Technology-Bhopal, 2017):** Built application delivering movie recommendations based on user behavior.

- **Technologies Used:** Python, KNN Approach, Collaborative Filtering, Anaconda, Pandas, NumPy, Scikit Learn

**Tatkal Train Ticket Booking System (National Institute of Technology-Bhopal, 2018):** Developed ticket booking system with 24-second purchase confirmation. Used AI technology to solve CAPTCHA requirements and make automatic payments.

- **Technologies Used:** Python, Digital Image Processing, Browser Automation, Python IDLE, Chrome Driver, Selenium, Pytesseract

## EDUCATION

### **Master of Science in Computer Science**

*(In progress via distance education; expected completion April 2024)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** *Fundamental Principles of Programming, Modern Programming Practices, Algorithms, Modern Web Applications, Web Application Programming,*

### **Bachelor of Technology in Computer Science & Engineering**

Maulana Azad National Institute of Technology, Bhopal, India

(NIT-Bhopal)

## CERTIFICATIONS

Oracle Certified: Oracle Cloud Infrastructure Architect 2021 Associate

Microsoft Certified: Azure Fundamentals

Microsoft Certified Office Specialist: PowerPoint

Microsoft Certified Office Specialist: Word

Microsoft Certified Office Specialist: Excel

## PROFESSIONAL DEVELOPMENT

IIT Mumbai: Created Robot Controlled with Brain Waves

IIT New Delhi: Augmented Reality Workshop

Microsoft Office Apps Dev Camp

## AWARDS

1<sup>st</sup> Prize, International Computer Olympiad 2012

Consolation Prize: Computer Wizard, International Computer Olympiad 2012

National Champion, PowerPoint, Microsoft Office Specialist National Championship 2013