Ayush Jadhav

Dublin, Ireland

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Professional Summary

Results-driven Software Engineer with over 3 years of experience specializing in full-stack development of cloud-native applications and scalable microservices. Proficient in Java 17/Java 21, Spring Boot, Angular, AWS, Kubernetes, and CI/CD pipelines. Passionate about building high-quality, performant applications, automating development workflows, and improving system observability. Proven ability to deliver robust solutions, optimize backend systems, and collaborate with cross-functional teams in Agile environments.

Education

National College of Ireland   **Jan. 2024 – Jan 2025**
Masters of Science in Cloud Computing   *Dublin, Ireland*

Modules Completed: Cloud Architectures, Cloud Platform Programming, Cloud DevOpsSec, Scalable Cloud Programming, Research in Computing, Cloud Machine Learning

All India Shri Shivaji Memorial Society College of Engineering   **Aug. 2016 – June 2020**
Bachelor of Engineering in Computer Engineering   *Pune, India*
Grade 1:1

Technical Skills

- **Programming Languages**: Java 17/Java 21, Python, JavaScript
- **Frameworks & Libraries**: Spring Boot, Django, Flask, Angular
- **Cloud & DevOps**: AWS (EC2, S3, Lambda, CloudWatch, IAM, RDS), Kubernetes, Docker, Jenkins, SonarQube
- **Databases**: Microsoft SQL Server, PostgreSQL, MongoDB, Firebase, NoSQL/SQL/Graph Database
- **Testing & Monitoring**: JUnit, Mockito, Selenium, Grafana, LogInsight, AWS CloudWatch
- **Version Control & Agile**: Git, GitHub, Bitbucket, Agile methodologies, Scrum
- **Performance Engineering**: JMeter

Experience

National college of Ireland   **Sept 2024 – Dec 2024**
Teaching Assistant   *Dublin, Ireland*

- Successfully mentored final-year students by designing and delivering a structured program on full-stack development, cloud deployment, and security best practices—resulting in over 80% of participants completing and deploying fully functional web applications.
- Led hands-on workshops covering Java, Spring Boot, MySQL, Angular, and DevOps tools, effectively bridging the gap between academic concepts and practical implementation, with attendees reporting a 40% improvement in project performance and confidence in using real-world tech stacks.
- Enabled students to build and deploy CI/CD pipelines on cloud platforms like AWS, resolving over 50 technical issues in live sessions and reinforcing strong debugging and problem-solving skills through real-time implementation.

Cognizant   **Dec 2020 – Dec 2023**
Software Engineer   *Pune, India*

- Designed and implemented microservices-based applications for UPS (United Parcel Service) using Java, Spring Boot, and OpenShift, achieving a 40% reduction in system response time and improving overall operational efficiency.
- Architected and deployed highly available, scalable microservices on Openshift cloud platform.
- Built and optimized CI/CD pipelines using Jenkins, reducing deployment time by 50% and significantly boosting system reliability and developer productivity.
- Engineered a comprehensive monitoring solution with LogInsight and Grafana, which cut debugging time by 60% and enhanced system observability, especially during high-traffic periods.
- Developed a responsive, real-time data visualization dashboard using Angular, incorporating dynamic filters and visual analytics—resulting in a 35% increase in user engagement and a 25% reduction in load times.

Projects

Mental Health Analysis using Cloud-based Machine Learning Techniques
- Developed and deployed an AI-driven predictive model using algorithms like Random Forest and SVM, achieving 99% accuracy in identifying mental health risks.
- Built the ML pipeline on **AWS Lambda, DynamoDB, and S3**, automating real-time data ingestion and analysis.
- Built a scalable ML pipeline using AWS Lambda, DynamoDB, and S3, with deployment via Flask API on AWS Elastic Beanstalk for real-time data processing.
- Identified key predictors (e.g., family history, employee sentiment), enabling data-driven mental health strategies and improving sentiment analysis speed by 30%.

SnapVibe: Django Application | Source Code
- Developed a social media application using Django, SQLite, HTML5, and Bootstrap 5, deployed on AWS Elastic Beanstalk with CI/CD via CodePipeline.
- Implemented static code analysis with Pylint and managed security with SonarCloud.

House Renting Management System | Source Code
- Developed a house renting management system using Django, SQLite, HTML5, and Bootstrap 5, deployed on AWS Elastic Beanstalk with CI/CD via CodePipeline.
- Implemented static code analysis with Pylint and managed security with SonarCloud.

Certifications

NPTEL Gold+Elite Certificate in Java (96%) | LINK
NPTEL Gold+Elite Certificate in IoT (98%) | LINK
NPTEL Certificate in Data Structures and Algorithms | LINK
AWS Certified Solutions Architect - In progress

Leadership / Extracurricular

Science Teacher   **Feb 2020 – Feb 2021**
Camp Diaries, Pune
- Collaborated with Camp Diaries, an organization that aims to enhance skills in low-income private and government schools.
- Managed a large group of students in the classroom, ensuring engagement and participation across various activities.
- Presented and explained basic science concepts through interactive demonstrations of simple experiments.

Awards / Achievements

- Completed Gold+Elite Certificate in Java with 96% and was in top 5% toppers.