Dev Patel

(551) 234-1189 • devnandol@gmail.com • LinkedIn • GitHub • Portfolio • Irvine, CA

WORK EXPERIENCE

Software Engineer III at Glidewell Dental, *Irvine, CA*   Sep 2021 – Present
- Designing and deploying AWS cloud architecture to bolster IoT-based services, enabling seamless transformation, analysis, and secure storage of incoming data payloads.
- Actively automating infrastructure deployment on AWS using Terraform, while leveraging CloudBees, Jenkins, and Gitlab development tools to ensure efficient and reliable operations.
- Continuously developing and maintaining user-friendly web applications, dashboards, and KPIs for real-time monitoring of IoT-enabled machines, factory lines, and other applications. Also, consistently updating and managing program versions for ongoing production support.
- Currently leading the design and implementation of proactive microservices to monitor production processes, machinery, and anomaly detection. Also, continuously improving automated reporting mechanisms for data-driven decision-making.
- Integrating multiple software services using REST API frameworks and IoT solutions, aligning technology with evolving business requirements.
- Actively driving technological growth, innovation, and digital transformation by advancing both front-end and back-end technology stacks with cloud-native technologies and DevOps practices, ensuring alignment with business goals within the team.

Full Stack Web Developer at Signage Ideas, *Redlands, CA*   Jul 2021 – Sep 2021
- Compiled and tackled technical and design specifications, merging user-oriented and front-end elements to maintain the effectiveness of the web presence.
- Worked closely with stakeholders throughout the development process to validate innovative proposals and implement best practices.

EDUCATION

Rutgers University, *New Brunswick, NJ*   May 2021
Degree: Bachelor of Science in Computer Science
Relevant courses: Algorithms, Data Structures, Python, Artificial Intelligence, C/C++, Computer Architecture, Networks, Computer Security, Compilers Assembly, Operating Systems, Logic Analysis, Software Methodology

TECH SKILLS

- Programming Languages: Python, JavaScript, NodeJS, Java, C, C++.
- Web Development: Proficient in HTML, CSS, and JavaScript, including Angular and React frameworks.
- Cloud Services: Extensive proficiency in AWS services, including IoT (Greengrass, Core, Sitewise, Events, and Analytics), Lambda, VPC, EC2, LightSail, Kinesis, Kafka (MSK), S3, SQS, SNS, SES, DynamoDB, RDS, Cognito, IAM, Route 53, Amplify, and API Gateway. Familiar with MS Azure and GCP cloud platforms.
- Development Tools: Skilled in Jenkins - CloudBees, Gitlab (Pipelines), Terraform, Kubernetes, Bitbucket, GitHub, and Git.

PROJECTS

Photos – Android Studio, Independent Project   Dec 2020 – Jan 2021
- Designed an application to import the photos from the gallery and enhanced the functionalities to handle photos using XML and Android Studio.

Wumpus World, Artificial Intelligence   Sep 2020 – Oct 2020
- Enhanced AI in the Wumpus World game using the "Fog of War" idea and adding the probability distribution for state variables and best moves to succeed.

Flights, A Travel Reservation Website at Rutgers University   Oct 2019 – Dec 2019
- Created a website that allows users to view or make flight reservations for 1000+ flight schedules using HTML/CSS, Java, JavaScript, and MySQL. Hosted the website using AWS S3, MySQL workbench and AWS RDS for related functionalities. Stored data in MySQL database and modified it along with selected payment options.

Client-Server Interactor, Internet Technology at Rutgers University   Jan 2019 – Apr 2019
- Built a small-scale version of control system with 13 functionalities using sockets, multithreading, forking and file API. Functionalities included: configure, checkout, update, upgrade, commit, push, create, destroy, add, remove, current version, history, and rollback.