

Cameron Andrews

Irvine, CA | andrewscameron55@gmail.com | (949)510-5732 | [linkedin.com/in/cameronandrews510](https://www.linkedin.com/in/cameronandrews510)

SKILLS

- Proficient in Python, Java, C/C++
- AWS Certified Solutions Architect Associate
- Strong knowledge of OOP concepts, data structures, and algorithms
- Capable understanding of AWS cloud infrastructure and services, including EC2, S3, RDS, and Lambda
- Knowledge of cloud security best practices, including IAM roles and policies, VPCs, and network security groups
- Adaptable and collaborative software developer with strong communication skills and a rapid learning curve

PROFESSIONAL EXPERIENCE

- **Software Engineer - Tata Consultancy Services, Hallmark** **August 2021 - October 2023**
 - Database Migration Project
 - Led the identification of data parameters' origin locations by meticulously analyzing SQL code, ensuring a seamless transition during a critical database migration
 - Implemented precise data mapping, enabling a comprehensive understanding of complex data structures and facilitating efficient data transfer processes.
 - Data Privacy Compliance Initiative
 - Conducted in-depth interviews with Subject Matter Experts (SMEs) across all software components, documenting comprehensive consumer Personally Identifiable Information (PII) storage practices.
 - Spearheaded the development of a comprehensive data inventory, ensuring alignment with emerging data privacy regulations and establishing a robust foundation for compliance

PERSONAL PROJECTS

- **CloudNotes (AWS, React)**
 - CloudNotes is a serverless note-taking application, enhancing user experience in managing personal notes
 - Implemented secure user authentication and authorization using AWS Cognito, ensuring data privacy and JWT token-based sessions
 - Utilized React and streamlined development with AWS Amplify for the responsive and intuitive frontend
 - Integrated AWS API Gateway as the central entry point for managing and securing API endpoints
 - Created serverless backend logic using AWS Lambda, enabling scalable and cost-effective operations
 - Leveraged AWS DynamoDB as a serverless NoSQL database for secure storage and retrieval of user notes
 - More documentation [here](#)
- **Tutor App (SQL, PL/SQL, REST API, JavaScript)**
 - CRUD application developed in Oracle APEX to facilitate the matching of tutors to students based on their desired characteristics
 - Oracle SQL used to create database schema, form a custom user authentication process, and create/update/delete rows
 - PL/SQL used to handle requests to a RESTful API called numVerify
 - Light Javascript development for UI customization

EDUCATION

B.S. Computer Science, Specialization in Intelligent Systems

University of California, Irvine

2017 - 2020