Larry La

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EDUCATION

California State Polytechnic University–Pomona Pomona, CA
Bachelor of Science in Computer Science *Expected: May 2027*
- Sophomore – Relevant Coursework: Java Programming, Discrete Math, Calculus

TECHNICAL SKILLS

Programming Languages: Javascript, Python, Java, VBA, SQL, HTML/CSS
Frameworks/Libraries: NodeJS, ExpressJS, ASP, Boto3, PyTest, Jest, Prisma ORM, PostgreSQL, MS SQL Server
Tools/Methodologies: AWS, Github, Git, VS Code, Visual Studio, Jira, Agile
Certifications: AWS Certified Cloud Practitioner, CodePath WEB102 Certificate Of Completion

EXPERIENCE

IT Intern (Software Engineering) May 2024 – Present
Desco Industries Inc. *Chino, CA*
- Enhanced the internal email list management system by refactoring ASP code to support multiple email additions/removals within a single form submission, resulting in a 30% increase in user efficiency.
- Automated external email contact and distribution management within Microsoft 365 using PowerShell scripts, saving sales and IT teams 10 hours annually.
- Utilized ASP and VBA to develop an internal tool automating annual bonus data entry from CSV files into an SQL database, enhancing payroll efficiency.

Software Engineer Intern June 2023 – September 2023
Metal Toad *Remote*
- Developed a Python REST API on AWS Lambda, leveraging the Boto3 library to enable dynamic JSON data manipulation and retrieval directly from S3 buckets.
- Leveraged AWS Lambda and CloudWatch Logs to identify, troubleshoot, and promptly resolve production-level bugs, ensuring uninterrupted service and timely hotfix delivery.
- Spearheaded the RPGMatch project's API unit testing effort using PyTest, achieving a 72% coverage increase, while also authoring documentation for project sustainability.
- Provisioned AWS Lambda functions and API Gateway configurations with Terraform to support API endpoints.

PROJECTS

Icebreak | *NodeJS, ExpressJS, Prisma ORM, PostgreSQL, Jest, Git* September 2023 – Present
- Contribute to the development of Cal Poly Pomona Software Engineering Association's mobile app, Icebreak—a platform fostering organization-member interaction via a central hub for member management and event updates.
- Developed CRUD API routes for organization management utilizing Express.js, leveraging Prisma ORM to interact with PostgreSQL, ensuring efficient data management and retrieval.
- Engineered backend API routes to facilitate the password reset workflow for users on the platform, incorporating JWT authentication and Redis token blacklisting for enhanced security.
- Utilized Jest and Prisma Mock to create unit tests, ensuring the quality and reliability of API routes.

Cloud-Hosted Personal Website | *AWS, Javascript, HTML/CSS, Git* November 2023 – January 2024
- Engineered a responsive personal website utilizing Javascript and HTML/CSS and hosted it on AWS to take on the Cloud Resume Challenge by Forrest Brazeal.
- Hosted using AWS S3 for static website hosting, Route 53 for DNS management, and CloudFront for global content delivery, ensuring optimal performance and low-latency access.
- Developed a Python REST API within AWS Lambda that triggers and increments the visitor counter on each site visit, storing the visitor count in DynamoDB.
- Implemented a Python REST API in AWS Lambda to handle contact form submissions, utilizing AWS SES for automated email notifications with submission details.