

# Larry La

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## EDUCATION

### California State Polytechnic University–Pomona

GPA: 3.65

*Bachelor of Science in Computer Science*

*Graduation Date: May 2027*

- Relevant Coursework: Data Structures & Algorithms, Systems Programming, Java, Discrete Math

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Python, SQL, Java, HTML/CSS, Powershell, VBA

**Frameworks/Libraries:** React, Node.js, Express.js, AWS SDK (Boto3), ASP.NET, Classic ASP

**Databases/ORMs:** PostgreSQL, Microsoft SQL Server, Microsoft Access, Prisma

**Tools/Methodologies:** AWS, Github, Git, VS Code, Visual Studio, Jira, Agile, REST API

**Certifications:** AWS Certified Solutions Architect Associate, AWS Certified Cloud Practitioner

## EXPERIENCE

### Software Engineer Intern

May 2024 – Aug 2024

*Desco Industries Inc.*

*Chino, CA*

- Constructed an ETL pipeline using Microsoft Access, VBA and SQL to automate the processing of Japanese distributor sales data by importing raw data, filtering unprocessed orders, formatting the data, translating it to English, and exporting it into Microsoft Navision ERP, reducing processing time by 50%
- Automated customer contact and mailing list updates within Microsoft 365 by creating PowerShell scripts that pull update requests daily from an SQL database, saving 10 hours annually by eliminating manual IT tasks
- Updated the employee password reset page in ASP.NET to generate secure temporary passwords, enabling self-service resets on the Intranet, resulting in a significant decrease in IT tickets for manual resets
- Refactored the internal mailing list management system in ASP to support batch additions/removals of multiple emails within a single form submission, reducing the time spent on updates by 30%

### Software Engineer Intern

June 2023 – September 2023

*Metal Toad*

*Remote*

- Developed a Python REST API for RPGMatch, automating the awarding, activation, and deactivation of user achievement badges on the platform by using the AWS SDK to update JSON data in S3 buckets
- Identified, troubleshooted, and resolved production-level bugs to ensure timely hotfix delivery for 750+ active users on the RPGMatch platform by leveraging AWS Lambda and CloudWatch Logs
- Detected early-stage development bugs and improved code quality by spearheading the RPGMatch API unit testing initiative, achieving 72% coverage with PyTest, and integrating pre-commit hooks into the CI/CD pipeline
- Leveraged Terraform to provision AWS Lambda functions and API Gateway endpoints as infrastructure as code

## PROJECTS

**Icebreak** | *React, Node.js, Express.js, Prisma ORM, PostgreSQL, Jest, Redis, Expo, Git*

- 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 API routes using Express.js for managing school organizations and their events, including functionality to create, fetch, update, and delete records, and implemented paginated search for efficient user navigation
- Engineered API endpoints to facilitate the password reset workflow for users on the platform, incorporating JWT authentication and Redis token blacklisting for enhanced security
- Utilized Jest, Prisma Mock, and Express Validator to create unit tests and validate input, ensuring reliable APIs

**Cloud-Hosted Personal Website** | *AWS, Javascript, HTML, CSS, Git*

- Built a responsive personal website and hosted on AWS with S3 for static hosting, Route 53 for DNS, and CloudFront for global content delivery
- 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