

Warren Urbina

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SUMMARY

Backend engineer with extensive startup experience designing scalable systems, optimizing cloud infrastructure, and mentoring teams. Skilled in creating well-tested, user-focused solutions and simplifying complex challenges. Passionate about collaboration, continuous learning, and delivering high-quality software.

SKILLS

- **Languages:** Python, Go, TypeScript, JavaScript
- **Frameworks & Libraries:** Django, Flask, Django Rest Framework (DRF), SQLAlchemy, GraphQL
- **Databases:** PostgreSQL (Relational), DynamoDB (NoSQL)
- **Tools & DevOps:** AWS, Docker, Terraform, CircleCI, Gitlab CI, CloudFront, S3, Microservices
- **Strengths:** Leadership, Mentoring, Collaboration, Communication, Problem-Solving, Design & Documentation, Adaptability

WORK EXPERIENCE

Blueprint Test Preparation

Software Engineer - Backend (Remote) - Feb. 2022 - Sept. 2024

- Led the integration of an acquired company's systems into the platform, managing data imports and reducing new product integration time by 50%.
- Drove the design, development, and deployment of 10+ Go microservices for a study planner algorithm, enhancing performance and scalability by incorporating Redis and optimizing with asynchronous code, decreasing latency by 10 seconds.
- Decomposed a monolithic student-based architecture into 4 microservices in under 3 months, improving system maintainability.
- Integrated GraphQL queries and mutations using Golang and GQLgen, streamlining data access and enhancing API performance.
- Managed infrastructure using Terraform, ensuring efficient deployment and resource management.

Indigo Agriculture

Senior Software Engineer - Backend (Remote) Oct. 2020 - Feb. 2022

- Optimized database performance and developed Flask API endpoints for geographic queries, integrating map data with Postgres to improve location-based data processing and reduce query response time by 25%.
- Spearheaded the introduction and implementation of a fixture-based testing strategy, increasing test coverage by 10% each quarter and mentoring the team on best practices for creating robust test environments, reducing overall bug reports by 25%.
- Drove the integration of AWS CloudFront distributions, optimizing content delivery by leveraging edge locations and signed CloudFront policies, reducing content delivery time for hundreds of users. Trained cross-functional teams on managing signed policies to enhance security and improve data access performance.

Protecht Inc.**Software Engineer III - Backend (Newport Beach, CA) Dec. 2018 - July 2020**

- Owned the development and maintenance of microservice APIs that issue insurance for live event attendees, including integration with payment processing APIs like Braintree and Stripe to ensure secure and seamless transactions, handling up to 25,000 transactions per month with 99% uptime.
- Designed and implemented data models and serializers using Django and Django Rest Framework, improving data handling and API performance by reducing data retrieval time by 50%.
- Created UML data diagrams and OpenAPI3 specifications, improving communication and alignment between frontend and backend teams regarding system architecture and API standards.

CASEpeer**Software Engineer - Full Stack (Newport Beach, CA) Dec. 2015 - Nov. 2018**

- Founding engineer for CASEpeer, a SaaS CRM web app, contributing to full-stack development from greenfield to release, with a focus on backend development using Django and Postgres. Helped scale the product to support hundreds of users within the first 6 months post-launch.
- Mentored and onboarded 6 new team members, teaching Django and system architecture to ensure alignment and foster collaboration across the engineering team, reducing ramp-up time by 50%.
- Collaborated closely with frontend developers, reducing rendering times by 20% by migrating from JQuery to React, improving the user experience and application performance, and increasing user engagement with the product by 50%.
- Led database optimization efforts, utilizing denormalization techniques and Django ORM strategies to improve data retrieval speed and scalability.
- Managed server deployments and maintenance with Docker Compose and AWS EC2 instances, ensuring efficient, reliable, and scalable infrastructure.

EDUCATION

University of California, Irvine**BS, Computer Game Science**

1st Place in IEEE Gamesig competition for capstone mobile game, Cavern Tavern.