

Ernesto Martinez

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SOFTWARE ENGINEER

Full Stack Software Engineer skilled in modern technologies such as AWS, Python, Django, and React.js. Expertise in migrating legacy systems and automating complex tasks. Experienced in frontend and backend development, cloud services management, and data transfer. Track record of developing data management solutions and creating utility functions for efficiency.

PROFESSIONAL EXPERIENCE

Backend Software Engineer at Metlife Legal Plans

Oct 2021 - Present

- Modernized legacy system by transitioning PHP app to Python & React.js and created efficient Django endpoints for an estate planning application.
- Engineered Python/Django features for legacy app integration, while developing Django InApp-tools for sponsor and enrollment data management.
- Spearheaded frontend development through crafting data components in React.
- Optimized backend operations by devising data management solutions, creating serializers/views with filtering, and enhancing performance through database transaction optimization.
- Ensured robustness of software through unit tests and devised validation logic for enrollment file names.
- Managed cloud services and data transfers, including managing Amazon RDS or EC2 databases, implementing SFTP uploads from S3, and creating continuous Amazon SQS message processing.
- Improved efficiency and automated processes by creating utility functions for data ingestion/feedback generation, and developing Python tools for eligibility file processing.

Software Engineer at Lithic Technologies

May 2020 - Aug 2021

- Designed and developed a comprehensive overhaul of Lithic.tech marketing site, created UI components for a fintech application enhancing payment, credit and purchasing power, maintained an online farmer's market system, and engineered a Vehicle Routing Problem solver while enhancing dashboard interface and communication UX for a property management software targeting mid-size property managers.

Software Engineer Intern at Thesis Agency

May 2019 - Aug 2019

- Developed crucial components for agency's rebranded website using React.js, including a custom 404 page using Sketch assets, and contributed to Scrum Meetings using Jira and Asana; also designed HTML/CSS email campaigns for high-profile clients like Nike, Providence, Oregon College Savings Plan, Dollar Shave Club, and Intel.

SKILLS

- Python (Django)
- React JS
- Astro
- AWS (RDS, EC2, SQS, S3)
- SQL (Postgres, MySQL)
- Docker, Terraform, Linux

EDUCATION

B.S Computer Science
Portland State University
2015-2020