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Unit 1026
Mesa AZ 85212

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WORK EXPERIENCE

GOLO, LLC   **Lead Software Engineer**   **Mar 2021 - Present**
- Managed all customer-facing e-commerce web and mobile applications
- Led a team of developers and collaborated with external teams and organizations to design and implement features
- Transitioned team to use CI/CD and modern web architecture using React and NestJS

Honeywell Connected Enterprise   **Software Engineer**   **Sep 2017 - Mar 2021**
- Full-stack development of Honeywell Business Aviation's Forge platform
- Integration of multiple data platforms to manage aircraft fleets through single pane of glass

Planet.com   **Team Lead**   **Feb 2020 - Present**
- Project lead and scrum master for a team of developers across a full-stack cloud-based system
- Django developer, AWS architect, and Datadog administrator for the project

EDUCATION

Arizona State University   **B.S. in Software Engineering**   **Aug 2015 – May 2020**
Cum Laude, GPA: 3.6

PROJECTS

- **myGOLO Health Assessment and Weight Tracking** Online customer portal for GOLO customers to assess their health and track their weight-loss goals. myGOLO is a full-stack Heroku-hosted web application with a ReactJS/Shopify Liquid hybrid front-end, a NestJS microservices back-end, PostgreSQL database, a Redis messaging queue and a complete CICD testing and deployment pipeline.

- **Honeywell Forge for Business Aviation (BA Forge)** Web application connecting all components of Honeywell's business aviation platform. The dashboard is built using React with Redux, and connected to a series of APIs including NodeJS, NestJS, and FastAPI. The project utilizes a microservices architecture and is hosted on Docker containers orchestrated using Openshift. Each component has its own CICD pipeline which is run through Bamboo for testing, Octopus for deployment, and proprietary software developed to connect all these steps.

- **Smart MOOCs** A web application using ReactJS and Django to host courses for UIUC whose click-stream data has been analyzed using NLP to assist professors to understand choke points in videos and remake video lectures with material better understood by students.

- **Cadence** A FastAPI Python testing application that uses Selenium, Axios, Boto3, and other API-driven services to run functional/smoke testing on all GOLO web applications. The application is entirely modular, and is used to check website status, save screenshots of website pages, and interacts with AWS, Slack, and an SFTP server to send notifications and store assets.

- **Imagery of Natural Systems (IONS)** Full-stack web application that analyzes satellite imagery of volcanic eruptions to study the effects of the eruption on surrounding vegetation. It implements a React front-end and a Django back-end connected to a PostgreSQL database. The system is hosted on AWS and utilizes services such as SES, S3 Glacier, and both on-demand spot and reserve EC2 instances. It also uses Natural Language Processing (NLP) to create abstracts from articles on the queried region.

TECHNICAL EXPERIENCE

- Python, Java, C, C++, Javascript, Typescript
- AWS, Heroku, Docker, VM
- React.js, Next.js, HTML, CSS/SASS
- Nest.js, Node.js, Django, FastAPI
- Jest, ESlint, Junit, PyTest
- Jira, Confluence, Bamboo, Octopus
- Git, Travis, Datadog
- MySQL, PostgreSQL, DynamoDB