

# LUCIAN PERNICIARO IV

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## Education

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### Texas A&M University

*Bachelor of Science in Computer Engineering*

*College Station, TX*

### AWS

*Certified Developer Associate*

*Apr 2024 - 2027*

## Technical Skills

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**Languages:** Python, C#, HTML/CSS, JavaScript, SQL

**Developer Tools:** Azure DevOps, Databricks, JIRA, VS Code, Jenkins

**Technologies/Frameworks:** Linux, Windows, AWS and Azure Cloud, Git, Angular, React, Vue.js, InfluxDB

## Work Experience

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### ASML | *via Itility*

**Jul 2024 – Current**

*Data Engineering*

*San Diego, CA (hybrid)*

- Orchestrated data ingestion pipelines
- Databricks / Spark / Python stack
- Cross team enablement of secure data analysis
- Agile / scrum experience

### AMF | *via Itility*

**Oct 2023 – May 2024**

*Full Stack Cloud Native SaaS Web Development*

*Austin, TX (hybrid)*

- CI/CD with Azure DevOps to deploy software stack
- Full Stack Development comprising of multiple backend features for data analysis
- Implemented major upgrades for Angular framework and .NET backend API
- Maintained updated of critical dependencies to avoid downtime
- Provided on call support to resolve production downtime
- Led demo meetings demonstrating new features

### Itility US

**Oct 2023 – Current**

*IT Consultant / Software Engineer*

*San Diego, CA (hybrid)*

- Engineer for industrial manufacturing data analysis platforms
- Consulted with client stakeholders to identify and prioritize features
- Gained domain expertise in manufacturing operations, enabling the delivery of tailored solutions
- Implemented new features and improvements based on client feedback within agile sprints

### Itron

**Dec 2021 – Dec 2022**

*DevOps Deployment Engineer Intern*

*San Antonio, Texas (remote)*

- Collaborated with other departments to establish development requirements
- Deployed software and ensured its functionality upon deployment
- Developed automation for repetitive tasks
- Troubleshoot and resolved customer issues
- Ensured cross-platform compatibility with Docker containers and Ansible playbooks
- Experience with multiple DevOps tools: Jenkins, Docker, Nagios, Kubernetes, Ansible, Azure, Git

### TNTechnologies

**Feb 2020 – Nov 2021**

*IT Technician / Software Developer*

*Cedar Park, Texas (hybrid)*

- Integrated multiple industry leading IT solutions through their respective APIs speeding up tasks saving hundreds of labor hours (Atera, AutoTask, ConnectWise Control)
- Remote based Windows IT support. Workstation repair, maintenance, patching, deployments, troubleshooting, etc.
- Experience with Active Directory to manage a large client user base
- Communicated with clients to satisfy IT requirements
- Maintained on site VMs through patches, installations, and physical upgrades

## Projects

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<b>Firepoint CRM Data Export</b>   <i>Independent Contract - Mortgage Industry</i>   <i>Python, Selenium</i> <ul style="list-style-type: none"><li>• Python / Selenium based web scraper</li><li>• Object Oriented development gathering key CRM information</li><li>• Provided automated data export of thousands of user records</li><li>• No data exportation natively supported / intentionally hindered</li></ul>	<b>Nov 2023</b>
<b>Self-Hosted Website with Azure DR</b>   <i>Red Hat Linux, Azure, Datadog, Python</i> <ul style="list-style-type: none"><li>• Implemented Red Hat Linux and Nginx on personal server and Azure DR</li><li>• Used CI/CD with Github Actions to automatically deploy website updates</li><li>• Integrated Datadog monitoring with webhooks to automatically configure disaster recovery</li><li>• Used Python to intercept webhook and integrate with Cloudflare DNS API</li></ul>	<b>July 2023</b>
<b>Power Line Fault Identification With AI</b>   <i>Node.js, Vue, Javascript, Django, Python</i> <ul style="list-style-type: none"><li>• Developed a neural network for 3-phase power line fault identification using Simulink and Matlab</li><li>• Implemented full stack development for MCU, database, and frontend communication</li><li>• Created a REST API for Django database and documented API requests with Postman</li><li>• Developed front end system to display fault information to grid operators</li></ul>	<b>Jan 2023</b>
<b>User Provisioning</b>   <i>Python, Jenkins, Ansible, Docker</i> <ul style="list-style-type: none"><li>• Automated user account permission provisioning using Jenkins and Docker</li><li>• Used Docker to quickly integrate proprietary APIs</li><li>• Created external team modifiable lookup table for application types, versions, and permissions</li></ul>	<b>June 2022</b>
<b>ConnectWise Control/Atera integration</b>   <i>HTML/CSS, Javascript, C#</i> <ul style="list-style-type: none"><li>• Developed an extension for ConnectWise Control to gather system data from Atera's REST API</li><li>• Reverse engineered ConnectWise Control's code base for useful functions</li><li>• Processed machine data from Atera for ConnectWise notifications</li><li>• Collaborated with ConnectWise team for code approval requirements</li></ul>	<b>April 2021</b>

## About Me

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Learn more about me on my website <https://lucianp.com>