

## TECHNICAL SKILLS

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Highly skilled Software Engineer with 5+ years of experience in architecting and delivering fully automated CI/CD pipelines that accelerate deployment and enhance release frequency. Proficient in infrastructure automation, monitoring, and scaling robust software applications, with a proven track record in end-to-end testing and background process design. Collaborative team player with exceptional technical leadership and problem-solving skills.

**Programming language:** Python, JavaScript, React.js, Typescript, Java, C#, SQL, Bash, Groovy, HTML  
**Cloud Technologies:** Azure Cloud/Services, Cisco Intersight, VMware vSphere  
**OS:** Windows, Linux, ESX, Redhat, CentOS, ESXi  
**DevOps Tools:** Azure Devops, Jenkins, Docker, Ansible, K8s, Grafana, ELK, Jira, Terraform

## PROFESSIONAL EXPERIENCE

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### Software DevOps Engineer | Cisco Systems

San Jose, California  
*Jan 2022 – Mar 2023*

- Pioneered CI/CD processes using Jenkins and Docker, increased resource efficiency and slashing deployment times by 50% and executing over 500 complex test suites in parallel.
- Developed comprehensive unit and functional test suites for new software modules, leading to a 15-30% reduction in post-deployment bugs.
- Orchestrated the simultaneous provisioning of 100+ virtual machines on VMware ESXi hosts using automated script and configured data centers as per engineering requirements.
- Led test plan and test case development and review for Cisco Unified Computing System (UCS) and Cisco Intersight Managed Mode (IMM).

### Software automation engineer | Zenaide Technologies

San Jose, California  
*Mar 2019 – Nov 2019, Oct 2020 – Nov 2021*

- Integrated automated testing tools to increase test coverage from 55% to 80% and cut execution time by 30%. Leveraged Docker to boost resource efficiency and streamline testing in containerized environments.
- Authored and maintained 100+ automation scripts monthly to automate Cisco server and device-side functionalities.
- Crafted custom Jenkins jobs/pipelines to initiate test scripts for complex test suites, streamlining testing processes.
- Designed, installed, and maintained VMware vSphere 6.x/7.x Enterprise Plus virtualization infrastructure.

### Software Engineer | Golomt bank

Ulaanbaatar, Mongolia  
*Feb 2015 – Oct 2017*

- Automated service deployment by eliminating manual processes, streamlining operations, and incorporating end-to-end automation, cutting downtime and risk by 50%.
- Optimized SQL queries on large datasets, boosting performance speed of core application services by 150%.
- Enhanced core banking systems, including RTGS, ACH, SWIFT, CRM, and Credit Bureau systems, by customizing features for lending, end-of-day processes, interest, and dormancy accounts.
- Developed and deployed an application that aggregates loan and credit card information, with integration to third-party applications using Python, PhantomJS and HTML.

## PROJECTS

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### **Microservice failure detection** /Cisco Systems Inc/:

2022-2023

- Developed an event-based monitoring system using Python with Grafana and Kibana APIs, cutting incident response time by 30% and boosting system observability in staging. The solution detected 100+ bugs monthly in staging and dev environments, with automated integration to Chatbot, Jira, and Email for efficient alerts and tracking.
- Built a robust ETL data pipeline using Filebeat and Logstash to import periodic failure logs into Elasticsearch, processing over 30,000 records daily at peak efficiency.

### **Publishing Platform** /Academic/:

May 2018

<https://github.com/eta31/online-publication-backend>

- Built a Medium.com clone using the MEAN stack: MongoDB for the database, ExpressJS for backend services, and Angular5 for the frontend, with secure user authentication implemented via JSON Web Tokens (JWT)
- Deployed on Azure App Service for hosting and optimized content delivery with Azure FrontDoor, and managed user data with Azure Blob Storage, to experiment on Azure cloud solutions.

### **Real-time facial recognition app** /24-hour Hackathon/:

Jun 2017

- Developed a real-time facial recognition application with a team, focusing on the back-end service using Python and IBM Watson Visual Recognition API. Integrated a service for image processing and integrated Watson's AI capabilities to ensure accurate, live detection from camera feeds.

### **Data mining project** /Golomt bank/:

Jun 2016

- Built a data collection tool using Python, PhantomJS and HTML to efficiently scrape and aggregate web data. Developed a Python-based data conversion tool to seamlessly transform the collected data into Oracle BI format, enhancing data usability and reporting.

## EDUCATION

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### • **Maharishi University of Management**

*Master of Science in Computer science*

Fairfield, Iowa

Oct 2017 – Jun 2021

### • **Mongolian University of Science and Technology**

*Bachelor of Science in Software engineering*

Ulaanbaatar, Mongolia

Aug 2011 – Jan 2015