

# ALI AZLAN

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## INTRODUCTION

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A Full-Stack Software Engineer experienced in Kubernetes, Microservices, Blockchain, NodeJS, ReactJS & PHP (Laravel / WordPress). I have contributed to a multitude of projects in full-stack web application development, site reliability engineering, and blockchain app development. I have also been contributing to open-source projects, trying to help the industry in software advancements, like many other engineers I look up to.

## EDUCATION

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**University of New Haven, Connecticut US** *January 2020 - August 2021*  
MS Computer Science  
Major: Cybersecurity

**National University of Sciences & Technology, Islamabad PK** *September 2013 - June 2017*  
BE Software Engineering

## WORK EXPERIENCE

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**Tesla Inc, Palo Alto US** *May 2021 - August 2021*  
*Software Engineer - Intern*

- My team is in charge of every remote interaction with the vehicles (remote control, remote diagnostic, vehicle telemetry for self-learning Autopilot algorithm, APIs for mobile apps and over-the-air software updates constantly delivering new features and improvements to our customers. In the team, my main responsibilities are deployment of new regional clusters on AWS to increase the capacity. I was also working on load testing new server applications, monitoring of clusters and quick incident response if any service goes down.

**University of New Haven, Connecticut US** *January 2020 - May 2021*  
*Cybersecurity Researcher - Part Time*

- Worked on the forensic analysis of Microservices infrastructure and developing a framework for the visualization of internal traffic and malicious activity in the Microservice stack.

**Jollitot Inc, Texas US** *October 2018 - January 2020*  
*Senior Software Engineer - Remote*

- Designed and deployed complete backend infrastructure for the company. It included CI/CD pipelines, redundant databases, load balancers, automatic resource provisioning/de-provisioning, and monitoring to ensure near 100% uptime. I was also responsible for designing and extending the backend APIs that I built on the microservices paradigm in NodeJS. An admin portal was also built on ReactJS.

**Pakistan Engineering Congress, Lahore PK** *August 2015 - January 2020*  
*Software Engineer - Contract*

- Responsible for web applications development on multiple frameworks of NodeJS PHP. I was completing SRE responsibilities as well and worked on up-gradation and maintenance of in-house Dell Poweredge servers and their network configurations.

**CreativeMorph, Lahore PK** *July 2017 - October 2018*  
*Software Engineer (Blockchain) - Full Time*

- Worked on the Blockchain-based Distributed Web Applications in MERN stack. Apart from this, my responsibilities included blockchain security, dedicated geth node deployment, writing smart contracts, and cloud servers management. I was also responsible for training junior resources and managing them.

## TECHNICAL STRENGTHS

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<b>Kubernetes</b>	DevOps, CI/CD, Containerization, Persistent Storages, Monitoring, Terraform
<b>NodeJS</b>	Microservices, APIs, ReactJS, Feathers.js, MoleculerJS, Socket.io
<b>PHP</b>	Laravel, Wordpress, Codeigniter, Custom MVC
<b>Ethereum Blockchain</b>	Crypto Tokens, Solidity Smart Contracts, Web3.JS, Geth, Infura, NFTs
<b>Data</b>	MySQL, MariaDB, MongoDB, SQLite, Redis, ElasticSearch
<b>AWS</b>	EC2, EKS, ECS, ECR, S3, CodeDeploy, RDS, DocumentDB, VPN
<b>Google Cloud</b>	GKE, GCS, VMs, VPN
<b>DigitalOcean</b>	Droplets, Kubernetes, Databases, Spaces, Blocks, VPN

## PERSONAL TRAITS

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Respect good code, good tools and open source projects.

Always in the pursuit to improve my skills.

Motivation increases in challenging task.