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@Zheng Lin Lei

[Computer Engineer] **[DevOps Developer]**

[Hardware Field]

[URL] https://zll.me

[Tags] DevOps · Firmware · Web · Cybersecurity · Software · Telecommunication · Aerospace

Studying Computer Engineering in the Polytechnic University of Valencia

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[+] [Languages]

> **[Spanish]** Native > **[Chinese]** Native
> **[Català]** High > **[English]** High
> **[Korean]** Basic

[+] [Skills]

+ Hard:

> **[Web]**
> **[Server]**
> **[DDBB]**
> **[Frameworks]**
> **[Devops]**
> **[Extras]**
> **[Assets]**

Thales
- Payshield 10K HSM

PinPads
- Ingenico
- Castle
- Verifone

+ Soft:
- PCI Knowledge
- Cybersecurity Knowledge
- Project Manager
- SCRUM Manager
- Team Working
- Lead Experience

+ Google Cybersecurity Certificated

[+] [Projects]

- more in github

> **[ARIS-Radio]** Telecommunication protocol, standard and network architecture **(Github)**

> **[Oroneta]** System management of autonomous drone swarms with detections and task assignments with AI **(Github)**

> **[SpimHub]** Editor and MIPS arch Simulator to execute assembly on Web **(Github)**

> **[WayPoint]** MVP About route generator with AI for tourism purpose **(Github)**

> **[ZDMP]** System of ML connected with MQTT to process Industry 4.0 production **(Github)**

> **[PgCloud]** PostgreSQL cluster orchestrator with PGPool and PgBouncer. **(Github)**

> **[LEE LIM]** Web and Back with support of PayPal Stripe and credit card payment. (Initially designed for my own fashion brand business) **(Github)**

> **[StainX]** NFT StainX Core generator for the Polygon Network **(Github)**

[+] [Work Experience]

> **[F1-Connecting]** DevOps Developer **(Company)**
> **[A Little Spark]** Digital Lead **(Company)**
> **[Oroneta]** Project Manager **(Self)**
> **[ARIS Alliance]** Project Manager **(Self)**

[+] [About me]

Passionate about technology, programming, and entrepreneurship. Experienced in web, hardware systems and financial payment technologies. Thrive in teams and always aim for top performance.

[+] [Certification]

> **[HSK]** Chinese Cert. > **[FCE]** English Cert. > **[Google]** SQL Injection Hackaton Cert.
> **[Google]** Cibersecurity Cert. > **[ITI]** UPV-ITI Hackaton Cert. > **[AdaByron]** Code Competition
> **[DivalHack]** Valencia Council Hackaton Cert. > **[ACM]** ACM Member Cert. ~~> **[PCI]** PCIP Cert.~~
~~> **[CompTIA]** CompTIA+ Security Cert.~~ ~~> **[ISA]** ISA/IEC 62443 Cert.~~ ~~> **[CISSP]** Security Cert.~~
> **[SAP]** S/4 Hana Consultant SAP Cert.

***Striked means in process**

[+] [Education]

Polytechnic University of Valencia **(UPV)**
Bachelor's Degree in Computer Engineering

Technical University of Cluj **(UTCN)**
Erasmus BIPS in Computer Engineering

[+] [Hobbies]

Gym & Fitness · Rubik's Cube · Drone Racing · Personal projects · Graphic design & UI/UX · FPV Drones · Cars · Robotics & Electronics · Hackathons · Contributing to Open Source

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[+] [Contact & Portfolio]

> **[GitHub]** github.com/ZhengLinLei
> **[Linkedin]** linkedin.com/in/ZhengLinLei
> **[NPM]** npmjs.com/~zhenglinlei
> **[GitLab]** gitlab.com/ZhengLinLei
> **[PyPIP]** pypi.org/user/zll

> **[QR]**

PROFESSIONAL PROFILE: Computer Engineer specializing in Software Engineering, DevOps, Backend Development, Database Architecture, Embedded Systems, Firmware Development, Hardware Integration, Cybersecurity and Telecommunications. Multidisciplinary engineering profile with experience in software development, infrastructure management, database systems, web applications, payment technologies, electronic systems and technical project management. Interested in designing, developing, integrating and maintaining complex software and hardware solutions, from low-level embedded systems to scalable backend architectures and distributed infrastructure.

TARGET PROFESSIONAL ROLES: DevOps Engineer | Software Engineer | Backend Developer | Full Stack Developer | Systems Engineer | Firmware Engineer | Embedded Software Developer | Database Engineer | Database Administrator (DBA) | Infrastructure Engineer | Platform Engineer | Cybersecurity Engineer | Network Engineer | Telecommunications Engineer | IoT Engineer | Hardware Engineer | Technical Project Manager | Solutions Architect.

PROGRAMMING LANGUAGES: JavaScript (JS), TypeScript (TS), Python, PHP, Java, C, C++, Rust, Solidity, SQL, HTML5, CSS3.

WEB DEVELOPMENT & FRAMEWORKS: ReactJS, AngularJS, Laravel, Django, Flask, Node.js, Web Applications, Full Stack Development, Backend Development, Frontend Development, REST APIs, API Integration, Web Architecture.

DEVOPS & INFRASTRUCTURE: Docker, Podman, Kubernetes (K8s), Git, Linux, CI/CD, Continuous Integration, Continuous Delivery, Containerization, Infrastructure Management, System Administration, Database Orchestration, Server Management, Deployment Automation.

DATABASES & DATA MANAGEMENT: PostgreSQL, MySQL, MongoDB, SQLite, SQL, NoSQL, Database Administration, Database Architecture, Database Management, Database Optimization, Database Replication, Connection Pooling, High Availability, PgPool-II, PgBouncer.

NETWORKING & TELECOMMUNICATIONS: TCP/IP, UDP, HTTP, HTTPS, DNS, MQTT, Network Architecture, Network Protocols, Telecommunications Systems, Distributed Systems, Client-Server Architecture, Network Security, Communication Protocols.

EMBEDDED SYSTEMS & HARDWARE: Embedded Systems, Firmware Development, Embedded C, Microcontrollers, Arduino, ESP32, Raspberry Pi, Electronics, Hardware Integration, Internet of Things (IoT), Robotics, Hardware Architecture, Serial Communication, UART, SPI, I2C.

CYBERSECURITY & INFORMATION SECURITY: Cybersecurity, Information Security, Network Security, Application Security, Secure Software Development, OWASP, PCI DSS, Payment Security, Hardware Security Modules (HSM), Security Auditing, Vulnerability Assessment, Industrial Cybersecurity, ISA/IEC 62443.

ARTIFICIAL INTELLIGENCE & DATA: Artificial Intelligence (AI), Machine Learning (ML), Computer Vision, Object Detection, AI Integration, Intelligent Systems, Automated Task Assignment, Data Processing, Industrial IoT, Industry 4.0.

SOFTWARE ENGINEERING & SYSTEM ARCHITECTURE: Software Architecture, System Design, Object-Oriented Programming (OOP), Data Structures, Algorithms, Design Patterns, Distributed Computing, Concurrent Programming, Performance Optimization, Scalability, System Integration, Technical Documentation, Software Development Lifecycle (SDLC).

PAYMENT SYSTEMS & FINTECH: Financial Technology (FinTech), Payment Processing, Payment Gateway Integration, Electronic Payment Systems, Credit Card Processing, PayPal Integration, Stripe Integration, Hardware Security Modules (HSM), PCI Compliance, Payment Terminal Technologies.

PROJECT MANAGEMENT & LEADERSHIP: Technical Project Management, Software Project Management, Agile Methodologies, Scrum, Team Coordination, Technical Leadership, System Planning, Requirements Analysis, Project Development, Team Collaboration.

SELECTED TECHNICAL PROJECTS & REPOSITORIES: PgCloud — PostgreSQL Cluster Orchestrator https://github.com/ZhengLinLei/pgcloud, SpimHub — MIPS Architecture Simulator and Web-Based Assembly Editor https://github.com/ZhengLinLei/spimhub, ItsMe https://github.com/ZhengLinLei/itsme, Can You See Me https://github.com/ZhengLinLei/can-u-see-me, Additional projects and technical developments: https://github.com/ZhengLinLei

PROFESSIONAL CERTIFICATIONS & TECHNICAL KNOWLEDGE: Google Cybersecurity Certificate | CompTIA Security+ | ISA/IEC 62443 | CISSP | PCI Professional (PCIP) | SAP S/4HANA | Google SQL Injection Hackathon | HSK | Cambridge FCE.

LANGUAGES: Spanish: Native | Chinese: Native | Catalan: High | English: High | Korean: Basic.

ADDITIONAL TECHNICAL INTERESTS: Aerospace Engineering, Drone Technology, FPV Systems, Autonomous Drone Swarms, Robotics, Electronics, Telecommunications, Open Source Software, Hardware Development, Graphic Design and UI/UX.

* Page dedicated for AI revision | Human revision can be ignored .