

# ALIREZA KERMANSHAHI

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## PROFESSIONAL SUMMARY

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Full-stack developer with hands-on experience building secure web applications using React, Next.js, Node.js, and REST APIs, combined with professional experience in ServiceNow ITSM and enterprise workflow automation. Strong foundation in system design, authentication and authorization, and cloud-based security principles. Proven ability to translate business requirements into scalable, secure technical solutions in regulated environments.

## TECHNICAL SKILLS

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### Languages:

- JavaScript, Python, Java, C++, C#, Swift

### Frontend & Web:

React, Next.js, Redux, HTML/CSS

### Backend & APIs:

- Node.js, Express.js, REST APIs, GraphQL (familiar), JWT Authentication, Passport.js

### Databases:

- MongoDB, SQL (Oracle), Data Modeling

### Cloud & Systems:

- AWS (Foundations), AWS Cognito, Linux (Ubuntu), PowerShell, Git

### Security:

- Authentication & Authorization (JWT, RBAC), Secure API Design, Data Protection (in transit & at rest)

### Platforms & Tools:

- ServiceNow (ITSM, CMDB, ACLs, Flow Designer), Power BI, Excel

## PROFESSIONAL EXPERIENCE

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### IT Service Management/Developer Co-op, BC Pension Corporation – Victoria, BC *(Jan 2025 – Dec 2025)*

- Configured and enhanced ServiceNow ITSM modules in a regulated enterprise environment
- Developed and implemented Business Rules, Client Scripts, and workflows to enforce data validation and reduce system misconfigurations
- Applied role-based access control (RBAC) using group-based role assignments to ensure least-privilege access
- Validated and maintained CMDB data integrity, improving asset visibility and supporting risk identification
- Performed upgrade validation and regression testing, identifying issues and maintaining platform stability
- Investigated and resolved system incidents using root cause analysis, improving operational reliability
- Developed and tested REST API integrations using JSON to enable secure system communication
- Collaborated with stakeholders to translate business requirements into scalable and auditable workflows
- Produced technical documentation to support compliance, audit readiness, and system improvements

### Business Manager, PIROOZ POLYMER YADAK Co – Iran, Tehran

*(July 2013 - July 2021)*

- Led process improvement initiatives through workflow automation and system optimization
- Designed operational workflows aligned with inventory and financial systems
- Translated business needs into technical system requirements and scalable solutions
- Coordinated cross-functional teams to implement efficient and maintainable processes
- Developed reports, cost analyses, and system enhancement proposals to support decision-making

## EDUCATION

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### Camosun College

Victoria, BC

- Diploma in Information and Computer Systems Technologist Sep 2023 – Aug 2026
- **Relevant coursework:** Cloud computing, Computer Ethics and Security, Web Services (JavaScript, Rest API, databases), Algorithms and Programming (Java, C++), Operating Systems (Linux, windows)

### Azad University, South Tehran Branch

Tehran, Iran

- B.Sc. in Mechanical Engineering, GPA: 15.51/20 (B+) Sep 2007 – Dec 2012

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## PROJECTS

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### Full-Stack Web Application (Next.js, Express, MongoDB, JWT)

- Developed a full-stack application using **Next.js frontend** and **Express.js backend** with **MongoDB**
- Implemented **secure authentication and authorization** using **Passport.js** and **JSON Web Tokens (JWT)**
- Designed and built **RESTful APIs** for client-server communication
- Ensured **secure data handling** and structured backend architecture for scalability

### iOS Photo Capture & Persistence App (Swift)

- Built a mobile application enabling users to **capture photos and store data persistently**
- Implemented dynamic UI updates with photo listing and detail views
- Managed local storage and state for seamless user experience

### “Access Denied” – 3D Game (Unity, C#)

- Developed a first-person 3D game using **Unity and C#**
- Implemented gameplay systems including **inventory, health system, keycard progression, and weapon switching**
- Applied **object-oriented programming and Raycasting** for player interaction and mechanics

### Cross-Platform Board Game (iOS & watchOS – Swift)

- Built a configurable board game supporting **iOS and watchOS platforms**
- Implemented dynamic game logic including **adjustable board size and scoring system**
- Designed shared functionality across devices for consistent gameplay

### Tetris Game (C++)

- Developed a fully functional Tetris game implementing **core mechanics, collision detection, and scoring logic**

### Additional Python Projects

- Developed multiple applications using **Python**, including **Flask APIs, automation scripts, and data analysis (Pandas)**
- Built smaller applications such as games and API-based tools

## CERTIFICATIONS & TRAINING

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- ServiceNow Platform Training (Administration, Flow Designer, Scripting)
- Power BI Fundamentals (DataCamp)
- Business Analysis – Camosun College
- Ethics & Security – Information Security Principles & Risk Management

## ADDITIONAL STRENGTH

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- Strong analytical and problem-solving skills
- Experience working in regulated and security-focused environments
- Ability to quickly learn and apply new technologies
- Effective communication and stakeholder collaboration