

## SEYHAN ÇINAR

Freelance Software Consultant | Data Science & Machine Learning Specialist

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### Career Objective

With over 32 years of software development experience, I contribute to digital transformation processes through consultancy and freelance projects. My technical background spans from COBOL to Python, specializing in data-driven, secure, and scalable solutions.

### Areas of Expertise

- Software Architecture Consultancy (COBOL, C, C++, Java, Python)
- Data Science, Business Intelligence, Reporting and Visualization
- UNIX / Linux System Administration
- Banking and Hospitality Automation Systems
- Academic Mentoring and University-Level Teaching
- Random Number Generation (Mersenne Twister, HMAC-DRBG)
- Reverse Engineering & Security Evaluation
- HTML/CSS/JavaScript Application Development
- Python-Based Data Analysis and Prototyping

### Preferred Work Models

- Freelance
- Remote (Home Office)
- Project-Based / Consultancy

### Recent Projects

- HTML5-based Lottery RNG Systems (6/90, 6/60) using MT19937 & HMAC-DRBG
- Cybersecurity Honeypot & Log Analysis System (Python + Flask)
- Reverse Engineering of JavaScript RNG (bundle.js analysis)
- Mobile-Compatible Data Analysis Dashboards
- AI-assisted Pattern Analysis & Simulation Tools

### Work Experience

Freelance / Academic Consultant (2014 - 2020)

- University-level teaching (C, C++, Java)
- Algorithm consulting and project mentoring

Private Bank (2013 - 2014)

- Banking software development using COBOL

Akgün İstanbul Hotel (1992 - 2012)

- Hotel automation software (COBOL)
- Y2K transition and currency conversion
- UNIX / LINUX system administration

Önder Bilgi Teknolojileri (1991 - 1992)  
- Hotel automation software development

#### Education

Anadolu University – Tourism and Hotel Management

#### Certificates

- Data Science and Machine Learning with Python – Istanbul University (March 2023)
- Advanced Data Science and Machine Learning with Python – Istanbul University (October 2023)

#### Technical Skills

- Languages: COBOL, C, C++, Java, Python, C#
- Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow
- Databases: MS SQL Server
- Operating Systems: UNIX, LINUX, Windows Server
- Domains: Banking, Hospitality, Education, Data Science

#### Languages

English – C1