

EDUCATION

Software Engineer

Firat University
2018 - 2022

SKILLS

API Development

SQL (Oracle/MSSQL)

C# Backend Development

EMV Payment Solutions

HCE

Docker

Java Android Development

Python

REFERENCES

Uğur Çağal

General Manager at NETTSI Informatics Technology
Email : ugr.cagal@googlemail.com

Ahmet İbrahim Aksoy

Microsoft Software Engineer
Phone : +90 538 459 55 05

Kerim FIRAT

Senior Software Architect, Contributor at OpenJDK
Email : kerimfirat@gmail.com

LANGUAGES

ENGLISH (B1)

ABOUT ME

After completing 3.5 years in Software Engineering at Firat University, I have explored the software world's complexities. I aim to apply my skills in impactful national and international projects. Seeking a role to solve real-world problems, I am committed to lifelong learning and continuous improvement. I strive to advance in software, collaborate on innovative ideas, and develop technology-driven solutions to enhance people's lives

WORK EXPERIENCE

Software Engineer

Provision Payment Solutions | Pendik, Istanbul 01/2024 - ...

Improved containerization (Docker) security and performance for enhanced application delivery and resource utilization.

- Developed and implemented security best practices to safeguard containerized environments, mitigating potential vulnerabilities.
- Optimized Docker configurations to streamline resource allocation and application performance, ensuring smooth operation.

EMV SoftPOS and HCE Payment Android Mobile Support (SDK - JNI - Java):

- Spearheaded the development of EMV SoftPOS and HCE payment functionalities for Android mobile applications, enabling secure contactless payments.
- Built robust SDKs utilizing JNI and Java to facilitate seamless integration of these features within mobile wallets.

EMV Kernel Books (EMV Library Development C++)

- Contributed to the development of EMV kernel libraries written in C++, forming the core foundation for secure chip-based payment transactions.
- Possess in-depth understanding of EMV specifications and protocols to ensure adherence to industry standards.

EMV Certificate Support (Security Test - Kernel Test with EMV Tools):

- Conducted rigorous security testing using EMV tools to identify and rectify vulnerabilities within EMV certificates.
- Played a key role in maintaining the integrity and security of payment transactions.

CBPP (Cloud Basic Payment Platform) C# API Development:

- Architected and developed C# APIs for the Cloud Basic Payment Platform (CBPP), enabling seamless interaction with various payment systems.
- Possess strong proficiency in C# programming and its application in building robust payment solutions.

HCE (Host Card Emulation) C# API Development:

- Designed and implemented C# APIs specifically for Host Card Emulation (HCE) technology, allowing secure mobile payments.
- Demonstrated expertise in HCE development to facilitate contactless payment experiences.

Provided exceptional technical support to software teams in domestic and international banks for HCE and SoftPOS products.

- Adept at troubleshooting complex technical issues related to HCE and SoftPOS deployments, ensuring smooth operation for bank clients.
- Possess excellent communication and collaboration skills to effectively assist domestic and international bank teams.

Jr. Software Engineer

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Mobile Payment Solutions Android App Development:

- Java (Android): I developed user-friendly and secure Android apps that provide seamless mobile payment experiences.
- High-performance and scalable apps: I designed and developed high-performance and scalable apps that facilitated financial transactions for millions of users.
- Secure and reliable payment processing: I utilized the latest mobile payment technologies to ensure secure and reliable payment processing.

.Net Core Projects Development:

- C# (API): I developed .Net Core projects that catered to the specific needs of my clients.
- Efficient and robust APIs: I designed and developed efficient and robust APIs that enabled seamless data exchange and integration between my clients' systems.
- User-centric approach: I adopted a user-centric approach to create solutions that optimized my clients' workflows and enhanced their productivity.

HCE Development Project VISA:

- C# (API): In collaboration with VISA, I developed an HCE (Host Card Emulation) based mobile payment solution.
- Contactless payment technology: I leveraged contactless payment technology to empower users to make secure and convenient payments using their mobile devices.
- Innovative and pioneering project: I played a key role in a groundbreaking project that significantly contributed to the future of mobile payments.

Jr. Software Engineer

NETTSI Informatics Technology | Pendik, Istanbul 01/22 - 07/22 · 7 mos

C/C++ (11/14/17/20) Projects:

- Spearheaded the development of high-performance network applications: Utilized modern C++ features (C++11/14/17/20) to create efficient and scalable network tools (WireShark), demonstrating my proficiency in cutting-edge programming practices.

Network Analysis with Programming:

- Leveraged programming to extract insights from complex network data: Employed C/C++ to analyze network traffic, identify patterns, and optimize network performance, showcasing my ability to combine programming expertise with network analysis skills.

Research and Development of Current Protocols:

- Actively researched and implemented the latest network protocols: Stayed ahead of the curve by researching and integrating emerging protocols into projects, demonstrating my commitment to continuous learning and innovation.

Teamwork Contributions:

- Fostered a collaborative environment and facilitated team success: Championed teamwork by effectively communicating ideas, collaborating with colleagues, and contributing to a shared vision, highlighting my strong interpersonal and teamwork abilities.

Mentoring with Interns:

- Empowered interns by providing guidance and knowledge transfer: Mentored interns by sharing my expertise in C/C++ and network programming, fostering their development and fostering a culture of knowledge sharing.

Agile Methodology:

- Embraced agile principles for efficient project delivery: Adopted agile methodologies to ensure flexible and adaptable project management, resulting in timely delivery of high-quality network solutions.

Software Engineer Internship

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Network Research and Development

- Passionate about researching new protocols and architectures to shape the future of networking technologies and developing innovative solutions.

Teamwork and Task Management

- Experienced in leading high-performing teams by effectively communicating and prioritizing tasks to deliver complex projects to success.

Python Programming

- Continuously enhancing my skills by working on hands-on projects utilizing Python's power in various domains, including data analysis, automation, and web development.

C/C++ Coding Examples

- Practicing coding in C/C++ to strengthen my system programming fundamentals and write efficient code for performance-critical tasks.

Online Exam Platform (DESI) Development with MEAN Stack

- Developed DESI, a user-friendly and scalable online exam platform using MEAN stack technologies (MongoDB, Express.js, Angular, and Node.js). This project showcases my ability to integrate my skills into real-world applications. <https://www.nettsi.com/desi/>