AHMET BAHADIR COL

Software Engineer, Canada PR holder

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QUALIFICATIONS SUMMARY

Graduate of industrial engineering with a background in ERP project engineering and software engineering. As an ERP project engineer, I worked extensively on database and user interface applications with 20+ customers. Extensive experience in Relational Database (RDBMS) Design, Database and Query Optimization, Performance Tuning and Indexing and Implementation of database objects including Tables, Views, Stored Procedures, Functions and Triggers using MS SQL Server. As a software engineer, I have hands-on experience in design using Object Oriented Programming Principles like Encapsulation, Inheritance, Polymorphism, Reusability and SOLID principles. Also I have experience with design and development of applications using MVC, MVVM design patterns. I am good at written and verbal communication skills at the organization level. I have experience with agile methodologies and Kanban for project management. Besides my professional experience, I have developed financial bots that analyze crypto stacks using Selenium, web parsing, Pandas and NumPy libraries of Python programming language.

DIGITAL SKILLS

Languages
Python | Django | Git | R Language | SQL | C | HTML

Data Storage/Processing
PostgreSQL | MS SQL Server | MySQL

User Interface Softwares
Visual Basic | Delphi | Pascal

Simulation
Arena

Cloud Computing Services
AWS (Amazon Web Services)

Basic Softwares
Microsoft Office Excel | Microsoft Office Visio | Microsoft Office Access | Microsoft Office Project | Microsoft Office Word

Container Orchestration
Kubernetes | Docker

Automation Server
Jenkins

Project Management
Atlassian stack (Jira, Confluence, ...)

WORK EXPERIENCE

Plentific, London - UK (Remote)

Backend Software Engineer II ● March 2022 – Feb 2024

- Designed and implemented RESTful API endpoints using Django REST Framework, optimizing response times by 20%.
- Developed models, views, serializers, and viewsets to manage data interactions, enhancing data integrity and
- security.
- Collaborated with front-end developers to ensure seamless integration of design and functionality, resulting in a 30% reduction in page load times.
- Utilized SQL, T-SQL, and PostgreSQL to design, develop, and optimize database structures and queries for the product's backend.
- Utilized OpenAPI Specification (OAS) to define RESTful API endpoints, ensuring clear communication and understanding across development teams.
- Documented API paths, methods (GET, POST, PUT, DELETE), query parameters, and response schemas, facilitating efficient onboarding of new team members.

- Optimized database queries using ORM techniques, reducing query execution time by 25% and improving overall system performance.
- Managed feature delivery to production using a Kubernetes-based CI/CD pipeline, ensuring rapid and reliable deployment of new features.
- Implemented user authentication and authorization mechanisms using Auth0, enhancing system security and user privacy.
- Conducted comprehensive testing and debugging, reducing production bugs by 40% and ensuring high-quality code delivery.
- Developed test cases covering various application functionalities, achieving a test coverage of 100%.
- Implemented parameterized tests to validate different input scenarios, improving test efficiency by 30%.
- Managed version control using Git and GitHub, streamlining collaboration on complex software projects with multiple contributors and branches.

Atiker Software, Ankara - Turkey

ERP Project Engineer ● March 2020 – March 2022

- Led ERP implementation projects from inception to completion, collaborating with cross-functional teams to ensure successful delivery within scope, budget, and timeline, resulting in a 15% increase in client satisfaction.
- Leveraged SQL, T-SQL, and Microsoft SQL Server to design, develop, and optimize database structures and queries for ERP systems, reducing data retrieval time by 25%.
- Specialized in writing complex SQL procedures and functions to support various business processes and reporting requirements, enabling data-driven decision-making for clients.
- Provided technical expertise in Delphi and Pascal programming languages for customizing and extending ERP software functionalities, enhancing system flexibility and scalability.
- Led ERP software sales efforts, conducting product demonstrations and preparing proposals, resulting in a 20% increase in software sales revenue.
- Strong mathematical problem-solving skills and analytical approach to address customer issues.

Turkish Aerospace Industries, Ankara - Turkey

Engineering Intern ● Nov 2018 – May 2019

During my internship, I was responsible for digital transformation in the department. My tasks included transitioning each department of the factory to digital processes. Additionally, I performed predictions with machine learning models using real-time data from the production line. The tools I used were Kibana, Logstash, and Elasticsearch.

MAN Truck & Buses, Ankara - Turkey

Graduation Project Student ● Aug 2018 – May 2019

During my internship at Man Truck and Buses, I was tasked with building a database and user interface to facilitate the allocation of multidisciplinary teams by engineers. My responsibilities included coding and building database architecture for the project. The tools I used were Excel, Ms Access, MySQL and Ms Word.

EDUCATION

Bachelor's in Industrial Engineering

Hacettepe University, Ankara - Turkey

Thesis: A Database Solution for The Cross Functional Team Allocation Problem in MAN

CERTIFICATIONS

Plentific Python/Django Bootcamp, 2022

BTK Academy SQL Applications, 2021