

SULTAN BACAKOGLU

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SUMMARY

Final-year Computer Engineering student (GPA 3.50/4.0, graduating June 2026) with 2+ years of full-stack and backend software development experience. Skilled in building REST APIs, responsive web interfaces, and microservice architectures using Python, Java, C#, .NET, JavaScript, TypeScript, React.js, and Spring Boot. Contributed to production systems at TUBITAK BILGEM YTE; TUBITAK 2209-B funded researcher and HAVELSAN SUIT Program finalist.

EDUCATION

ANKARA UNIVERSITY

Bachelor of Science in Computer Engineering

Cumulative GPA: 3.50/4.0

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Operating Systems, Databases, Artificial Intelligence

Ankara, Turkey

Expected Jun 2026

WORK EXPERIENCE

TUBITAK BILGEM YTE

Software Developer, Part-Time

Ankara, Turkey

Oct 2025 - Jun 2026

- Developed and maintained 4 production backend modules within a 5-person team using Spring Boot, Kafka, and Docker; monitored service health via Elasticsearch and Grafana
- Wrote unit and integration tests that raised module test coverage from 65% to over 80%, verified through SonarQube static analysis; managed CI/CD pipelines with Jenkins and Bitbucket

TOURIST: AI TRIP PLANNER

Web Development Intern

Remote

Feb 2025 - Oct 2025

- Developed 5+ major frontend features for an AI-powered travel platform using React.js, HTML5, CSS3, and TypeScript with full REST API integration
- Built new UI screens and features and improved site performance, monitoring and optimizing page metrics with Google Search Console, Lighthouse, and Analytics

TUBITAK BILGEM YTE

Software Developer Intern

Ankara, Turkey

Jul 2025 - Aug 2025

- Built a full-stack personnel management system from scratch with a team of interns, delivering core modules within a 6-week internship after a 2-week technical onboarding
- Practiced SDLC best practices including OOP design, version control with Git, iterative delivery, and peer code review

DENEYAP TURKEY

Mobile App Instructor

Ankara, Turkey

Mar 2024 - Apr 2024

- Created and delivered a Flutter mobile development curriculum to 20+ high-school students, mentoring them from UI design to deployment with 100% course completion

ANKARA UNIVERSITY

Software Developer Intern, Part-Time

Ankara, Turkey

Jan 2024 - Jun 2024

- Performed document-based scenario testing across 5 workflows, identifying and documenting functional defects before release
- Implemented internationalization (i18n) infrastructure to add English-language support to the application

ARKITEK

Software Developer Intern

Ankara, Turkey

Aug 2023 - Oct 2023

- Developed a user-friendly travel planning mobile app over 3 months using Flutter and Firebase, applying object-oriented programming (OOP) principles to structure features

PROJECTS

AI-BASED PILOT PERFORMANCE ASSESSMENT IN SIMULATION ENVIRONMENTS

2025 - 2026

Graduation Thesis | with E. Sankir and E. Yildiz TUBITAK 2209-B | HAVELSAN SUIT Finalist

- Selected for TUBITAK 2209-B research funding and advanced to the HAVELSAN SUIT program finals
- Analyzed pilots' cognitive state and workload from physiological and behavioral data in flight simulator environments using AI/ML methods
- Designed an adaptive feedback system to deliver objective, trackable, and personalized pilot performance evaluations

LEADERSHIP & ACTIVITIES

ANKARA UNIVERSITY COMPUTER SOCIETY

Director of Communications / Board Member

Ankara, Turkey

Oct 2022 - Jul 2024

- Organized and delivered 20+ tech events, workshops, and training sessions over 2 years for a 1000+ member student society
- Coordinated external communications and event logistics as Director of Communications and Board Member

TECHNICAL SKILLS

- Languages & Frameworks:** Python, JavaScript, TypeScript, Java, C#, C++, Dart, React.js, Ember.js, Spring Boot, .NET, Flutter, Hibernate, JPA
- Web & Practices:** HTML5, CSS3, REST API, OOP, SDLC, Agile Development, Scrum, SQL, Unit Testing, Integration Testing
- Tools & Platforms:** PostgreSQL, Firebase, Kafka, Docker, Kubernetes, Elasticsearch, Grafana, Jenkins, SonarQube, Git, Bitbucket, Jira
- Core Skills:** Communication, Troubleshooting, Problem-Solving, Team Collaboration, Computer Science Fundamentals
- Language:** Turkish (Native), English (Intermediate B2)