

# BURAK DUMAN

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## PERSONAL SUMMARY

Junior Software Developer with proven productivity and efficiency in task completion. Specialized in Java, Python, and SQL, enabling effective problem-solving. Strong teamwork and communication skills foster collaboration with peers and leadership. Dedicated to continuous learning and application of new technologies for high-quality software development.

## DIGITAL SKILLS

- Microsoft Office
- SQL databases
- ETL processes
- Problem solving
- Attention to detail
- Python Language - Basic knowledge
- JavaScript for Web Development
- Good listener and communicator
- Organizational and planning skills
- HTML
- Java
- CSS
- Programming: C
- Python
- C++
- C#
- JavaScript
- Object-Oriented Programming
- Programming: Python, MATLAB, and SQL
- Microsoft Excel
- Microsoft PowerPoint
- Git
- Team-work oriented
- Google Drive
- Unit-Testing

## EXPERIENCE

### UNB FACULTY OF COMPUTER SCIENCE

Fredericton, Canada

#### JAVA I MARKER

09/2023 to 01/2024

- Assessed weekly assignments and labs for 40 students enrolled in Introduction to Java class at UNB.

### UNB FACULTY OF COMPUTER SCIENCE

Fredericton, Canada

#### PEER MENTOR (VOLUNTEER)

09/2023 to 01/2024

- Facilitated introduction of university and faculty to incoming computer science students.
- Coordinated events, get-togethers, and competitions to enhance student engagement.
- Assisted new students with navigation around campus for improved orientation.

### P.I. WORKS INC.

Istanbul, Türkiye

#### SOFTWARE SUPPORT INTERN

07/2023 to 09/2023

- Completed a two-month intensive training program at P.I. Works, Inc., acquiring valuable insights into fundamental telecommunication principles and ETL (Extract, Transform, Load) processes.
- Collaborated with a team on live software projects and micro-services, contributing to issue resolution, and actively participating in minor and major software upgrades with their related migrations on the SQL side.

## EDUCATION

**HIGH SCHOOL DIPLOMA**

06/2020

**Riverview High School, Riverview, Canada**

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**CERTIFICATIONS**

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- Python (Basic), <https://www.hackerrank.com/certificates/ac27f7ab3588>
- Java (Basic), <https://www.hackerrank.com/certificates/77381a903557>
- Problem Solving (Basic), <https://www.hackerrank.com/certificates/f930d54dd0a2>
- SQL (Basic), <https://www.hackerrank.com/certificates/8a6af9a17f5c>
- React (Basic), <https://www.hackerrank.com/certificates/0f60a47ef941>

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**PROJECTS**

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**FIXXit**

- Built FIXXit, a full-stack marketplace connecting clients with local contractors. Led end-to-end development across a React + TypeScript + Vite frontend and a Node.js (Express) + Prisma + MySQL backend, with Supabase for authentication and messaging.
- Implemented core features: job posting and discovery, contractor profiles with portfolio/media uploads, skill/tag system, in-app messaging, application/negotiation workflow, completion/ratings, and notification center with real-time polling and badge states.
- Hardened security and reliability: Helmet security headers, structured logging (Pino), rate limiting, content validation and magic-byte checks for uploads, CSP tuning, CORP/CORS fixes, and cross-origin asset handling. Added health/readiness endpoints, performance DB indexes, and robust error logging.
- Designed data model and aggregation for reviews and contractor stats; fixed non-cumulative ratings by recomputing per-skill and overall averages. Ensured “Jobs Completed” auditing against job state transitions.
- Delivered responsive UI/UX: mobile-first pages, full-screen mobile overlays for messaging/notifications, accessible toolkits, and consistent image delivery via utility helpers; resolved map/date and deadline off-by-one issues with UTC-normalized logic.
- Operationalized local/dev flows: environment setup script, Docker-ready backend, clean API layering, and clear deployment checklist. Added Terms/Privacy pages and consent gating at registration.
- Tech: React, TypeScript, Tailwind, React Router, Leaflet; Node.js, Express, Prisma, MySQL; Supabase Auth; Pino, Helmet, Multer, Joi.

**Personal Storage REST API**

- Developed a versatile REST API for file storage where users can upload, download, edit, and delete files from their storage, with LDAP authentication.
- Utilized Flask for the back end and Bootstrap for front-end styling.

**Escape!**

- Created "Escape!", a dungeon escape game, with Unity and C#.
- Designed levels, puzzles, and animations, delivering an engaging gaming experience