Ali Al Dairawi

TOS Application Developer | Full-Stack Developer (N4 / Billing / EDI / .NET)

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PROFESSIONAL SUMMARY

IT Applications Support and full-stack developer with hands-on experience supporting Navis N4 terminal operations, N4 Billing, and integrated business workflows in a production environment. Skilled in troubleshooting end-to-end issues across TOS, EDI jobs, database queries, and custom applications. Built and maintained multiple in-house web applications at Basra Gateway Terminal (BGT), delivering automation for gate and invoice processes, and integrating invoice uploads to SAP.

CORE SKILLS

• **C# (.NET Core / Web API / MVC)**

• **JavaScript (ES6+)**

• **TypeScript**

• **Java (Spring Boot basics)**

• **SQL Server (T-SQL, Performance Tuning, Stored Procedures, Views)**

TERMINAL & DOMAIN SYSTEMS

• **Navis N4 Terminal Operating System (TOS)**

• **N4 Billing & Invoicing Configuration**

• **EDI Integration (CODECO, COARRI, EDIFACT)**

• **SAP Invoice Integration (CSV/SFTP automation)**

PROFESSIONAL EXPERIENCE

Bryan University — Front-End Engineer (React)

United States | 2020 – 2021

- Built responsive React UI components and pages from requirements and design mockups.
- Integrated REST APIs and managed loading/error states; implemented forms and client-side validation.
- Managed component state with React hooks and reusable patterns to keep features maintainable.
- Fixed UI bugs, improved performance, and ensured cross-browser compatibility.
- Collaborated in Agile sprints, participated in daily stand-ups, and contributed through code reviews and Git workflows.
- Wrote and maintained basic unit tests (e.g., Jest/React Testing Library) and performed QA checks before releases.

Basra Gateway Terminal (BGT) — IT Applications Support / Full-Stack Developer
Basra, Iraq | Terminal Operations Systems (Navis N4) | 2022 – Present

- Navis N4 (TOS) support, configuration, job monitoring, and production troubleshooting (Gate In/Gate Out, line reporting)
- N4 reporting for shipping lines: Gate In, Gate Out, and daily operational extracts

- N4 Billing (strong expertise) and invoicing workflows: tariffs, invoice generation, validation, and troubleshooting (cash / shipping line / partner scenarios)
- EDI / EDIFACT troubleshooting with XML/XSLT templates and partner requirements (e.g., CODECO/COARRI patterns)
- .NET (C#) Web API development, authentication (JWT/Identity), and background services
- React + TypeScript, modern frontend development and UI troubleshooting
- SQL Server (T-SQL): TOS/billing databases, tables, joins, performance tuning, and data validation for operational reporting
- Developed and maintained .NET (C#) Web APIs and services used for terminal automation and integrations, including secure authentication and role-based access.
- Built modern React + TypeScript frontends for internal applications, improving usability, reliability, and support visibility for business users.
- Created optimized SQL queries and helper repositories to reduce repeated database access during invoice CSV generation and integrations.
- Produced clear operational communication (emails, reports, incident updates) and provided timely support for urgent production issues.

SELECTED PROJECTS AT BGT

Gate Pass Application
- Designed and delivered an internal web application to support gate pass workflows and operational visibility.
- Implemented secure access patterns and streamlined user actions to reduce manual coordination.

Invoice Printer Application
- Built an invoice printing solution to standardize invoice output and improve efficiency for finance and operations users.
- Enhanced formatting and reliability of generated documents for day-to-day production use.

BGT SAP Integration – Invoice Uploading App
- Developed a full-stack solution to generate and upload invoice CSV files to SAP drop-folders/SFTP workflows.
- Implemented validations, batching, and error handling to reduce upload failures and speed up monthly processing.

Terminal Data & Reporting Utilities
- Created supporting tools and queries for operational and billing reporting, including data checks and reconciliation support.
- Assisted with improvements to job scheduling and output consistency across daily reporting runs.

TECHNICAL STACK

C#, .NET Web API, ASP.NET Identity/JWT, React, TypeScript, JavaScript, Java, SQL Server (T-SQL), Navis N4, N4 Billing, N4 Reporting (Gate In/Gate Out), XML/XSLT, EDI/EDIFACT, Git, REST APIs.

EDUCATION

Associate Degree, Full Stack Web Development — Bryan University

Focus areas: full-stack web development, databases, and modern application support.

TRAINING & LEARNING

- Continuous improvement in C#, React, TypeScript, and enterprise integration patterns (EDI/SAP).