

Greg Higgins
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Career Objective

To architect, design, and implement software systems that meet critical business needs, leveraging my technical and creative skills to their fullest potential.

Strengths

Senior developer & application architect with over two decades of experience designing, developing, and supporting mission critical applications within the IT organizations at both Sprint and T-Mobile.

Broad experience building both internal project management applications and external customer-facing order and activation systems for large national retailers such as Apple, Best Buy, Costco, etc.

Full stack development skills with Angular, Node.js, and Express.js as well as Java EE technology and web-based component architectures with Spring Framework utilizing both REST/JSON and SOAP/XML based API services.

Hands-on experience working with DBAs to design complex relational data models across a wide variety of business domains utilizing Oracle and MS SQL.

In-depth experience implementing projects through the full range of the software development lifecycle from analysis & design through implementation and support.

Training and mentoring junior software engineers through the implementation of large-scale software systems and during small, agile development projects.

Core Technical Skills

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|---------------------|----------------------|--------------------|
| • Angular 8+ | • UI/UX Design | • Java EE |
| • Node.js 16+ | • JavaScript | • Spring Framework |
| • Express.js 4+ | • TypeScript | • REST/SOAP API |
| • Axios HTTP Client | • RxJS Library | • JDBC/SQL |
| • HTML5 | • jQuery Library | • Oracle/MySQL |
| • Bootstrap 4+ | • jQuery UI / Mobile | • DB Schema Design |

Tools/Technologies

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|---------------------|--------------------------|---------------------------|
| • Apache Ant | • Cloud Environments | • SoapUI |
| • Apache Axis2 | • GitLab CI/CD Pipelines | • Spring Tool Suite (STS) |
| • Apache Maven | • MongoDB Compass | • Unix OS |
| • Apache Tomcat | • MS SQL | • Visual Studio Code |
| • Apache Web Server | • Oracle SQL Developer | • WebLogic/WebSphere |
| • AWS | • Swagger Specifications | • XML Schemas |
| • Docker Platforms | • Postman | |

Professional Experience

T-MOBILE, GRAND PRAIRIE, TEXAS (APRIL 2020 - PRESENT)

SENIOR SOFTWARE ENGINEER (2020 – PRESENT)

Primary Roles and Responsibilities

Analyst:

- Business Requirements analysis and system requirements definition
- Provided level of effort (LOE) for project planning via Scaled Agile Framework methodology
- Creating UI/UX design mockups

Architect:

- Design of Angular/Node.js web-based application components
- Review swagger designs for REST API interfaces developed by domain teams

Developer:

- Web Interface Design and Development (HTML, JavaScript, Graphics)
- Coding of Angular/Node.js web-based application components
- Coding of Java/Spring Framework web-based application components

Key Projects

TPAS Reference User Interface (Ref UI)

Architect and Angular/JavaScript/Node.js developer for custom built web-based application utilized to test T-Mobile REST API web services. Application used as proof-of-concept before APIs made available for external partners. Implemented using Angular 8, Node.js, Express.js, RxJS, Axios and many more NPM packages.

TPAS Self-Service Portal

Architect and Angular/JavaScript/Node.js developer for custom built web-based application utilized by external partners such as Best Buy, Costco, etc. to reserve test data for their integration testing with T-Mobile. Implemented using Angular 8, Node.js, Express.js, RxJS, Axios and many more NPM packages.

Sprint Mobile Sales Platform (SMSP)

Continued to provide ongoing development and support for SMSP after the merger as the application transitioned from a primary order entry system to a warranty swap and cross-provisioning system to support transfer of customers from the Sprint network to the T-Mobile network.

SPRINT, IRVING, TEXAS (JULY 1995 - 2020)

SENIOR APPLICATION DEVELOPER (1999 – 2020)

Primary Roles and Responsibilities

Analyst:

- Business Requirements analysis and System Requirements definition
- Level Of Effort/Cost and Project Planning

Architect:

- Design of Java/J2EE web-based application components
- Database Analyst (schema/table data model design)
- BEA WebLogic Application Server installation, configuration, and deployment

- Prototyping

Developer:

- Web Interface Design and Development (HTML, JavaScript, Graphics)
- Coding/development of Java/J2EE application code
- Coding/development of Oracle database procedures, functions, and triggers

Key Projects

Sprint Mobile Sales Platform (SMSP)

Architect and primary Java/JSP developer for web-based order entry tool used by Sprint's National Retail partners such as Apple, Best Buy, and Costco to create new customer accounts, add lines to and upgrade existing accounts, and perform warranty swaps and plan changes for Sprint's customers. Implemented using HTML5, Bootstrap Framework, JavaScript, Java, Spring Web Framework, JDBC/SQL, Functions, and Triggers. Deployed on Apache Tomcat 8.0 application server and Oracle 11G database. Application generated over \$50 million annually.

Project Information Portal

Architect and Java/JSP developer for custom-built, in-house web-based project management tool to replace CA Clarity. Application provided interface for submission of new projects to IT by internal business customers, project path determination, management of Level of Effort (LOE), project scheduling, and other project management and reporting features. Implemented using HTML, JavaScript, JSP, JSP Custom Tags, Java, JDBC/SQL, Oracle Procedures, Functions, and Triggers. Deployed on BEA WebLogic 8.1 application server and Oracle 9i database.

Computer Associates Clarity

Supported customizations and integrations with CA Clarity. Role included building custom pages and workflows in CA Clarity and Java development using Apache Axis with XML Open Gateway (XOG) web services to synchronize user profiles with Sprint core systems.

Enterprise Development Process Portal

Architect and Java/JSP developer for web-based project management tool. Application provided interface for submission of new projects to IT by internal business customers, project path determination, management of Level of Effort (LOE), project scheduling, and other project management and reporting features. Implemented using HTML, JavaScript, JSP, JSP Custom Tags, Java, JDBC/SQL, Oracle Procedures, Functions, and Triggers. Deployed on BEA WebLogic 8.1 application server and Oracle 9i database.

Enterprise Development Process Portal

Architect and Java/JSP developer for web-based project management tool. Application provided interface for submission of new projects to IT by internal business customers, project path determination, management of Level of Effort (LOE), project scheduling, and other project management and reporting features. Implemented using HTML, JavaScript, JSP, JSP Custom Tags, Java, JDBC/SQL, Oracle Procedures, Functions, and Triggers. Deployed on BEA WebLogic 8.1 application server and Oracle 9i database.

Raw Data Viewer

Architect and Java developer for project implementing web-based application for searching and viewing raw data generated by Sprint's network elements. Role included requirements analysis and definition, user interface and system design, HTML mockups, and development of HTML, Servlet/JSP, Java, and JDBC/SQL application code. Deployed on BEA WebLogic 7.0 application server and Oracle 8i database.

Sprint Hosting Manager / Hosting Customer Portal

Architect and Java developer for project implementing a customer-facing portal for Sprint Hosting customers utilizing iPlanet Portal, BEA WebLogic, and Oracle. Role included requirements analysis and definition, design of portal look-and-feel, configuration of iPlanet 6.0 Portal components, development of HTML, JSP, Java, and JDBC/SQL application code, administration of BEA WebLogic 6.1 application server, Oracle data model design.

User Profile Registration Application

Architect and Java developer responsible for the design and development of user registration application used for managing iPlanet Portal Server users. Application developed using Apache Struts Framework, Servlet/JSP, JSP Custom Tags, Java, and LDAP.

Back-Office Messaging and Integration Application (Omega-13)

Architect and Java developer for creation of back-office message broker application deployed on the BEA WebLogic 6.1 platform. Utilized EJB, Servlet, JDBC/SQL, and Java/CORBA technologies. Role included requirements analysis and definition, design, and development of Java/J2EE application code, installation and administration of BEA WebLogic 6.1 application server, Oracle data modeling.

Web Based Toll-Free Order Entry System – Field Service Automation (FSA)

Technical lead and for project to migrate Toll Free order entry Smalltalk-Versant application to Java/J2EE and Oracle platform. Role included system design, web user interface design, and Oracle data modeling. Implemented on BEA WebLogic Application Server. Mentored team of junior Java developers during project on Toll Free business platform and Sprint N-Tier (J2EE) architecture.

Web Based Dedicated Access Order Entry System

Technical lead responsible for the design and development of a Stateless EJB and persistence layer for web-based order entry application. Mentored the team of junior developers on EJB and Java technologies. Role included Java/EJB coding as well as administration and deployment of code to BEA WebLogic application server.

JUNIOR APPLICATION DEVELOPER (1995 – 1998)

Primary Roles and Responsibilities

Technical Lead:

- Mentoring developers, leading project design sessions, Smalltalk code reviews
- Configuration management of source code utilizing ENVY

Developer:

- Framework development, and tuning enhancements for Smalltalk code
- Smalltalk coding/development

Key Projects

Sprint N-Tier Platform Prototype

Java developer on prototype of initial N-Tier component-based architecture implemented at Sprint. Responsibilities included EJB coding and deployment.

Production Support Enhancement Tool

Designed and developed tool to allow production support team to manage and trouble shoot Toll Free data issues for live customers quickly, outside of utilizing the application; correcting order data, feeding data to the network, etc.

FUSION Toll Free Client-Server Order Entry Application (Phase 1, Phase 2, and Phase 3)

Smalltalk coder for large-scale development projects to implement a Toll-Free Number order entry system utilizing Smalltalk and Versant object database. Role also included documenting object models and performing code reconciliation and application builds.

Education

Southern Methodist University, Dallas Texas
Bachelor of Science, Management Science, December 1994