# Christopher H. Clarke

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*Skilled software engineering professional with fifteen years of experience delivering high-quality solutions on time and within budget.*

## WORK EXPERIENCE

### Bojemasters, LLC                                                                                                    2020 – Present
*Founder & Owner*                                                                                                      *St. Petersburg, FL*

- As a software entrepreneur, I constantly explore new product ideas and assess their viability by conducting market research and feasibility studies. I design software architecture and database schema, and I write clean, maintainable code using a test-driven approach. I traverse the entire software development life cycle, from initial concept to deployment, to produce high-quality solutions.
    - Built a product tracking notification service from the ground up, using Python for data scraping and parsing, a MySQL database, Node.js with Express.js and Pug for the presentation, and Google Firebase to handle text notifications.
    - Currently building what I've dubbed the *Meal Prep Calculator*, an application that gives you the complete nutritional value of a single serving for any recipe you provide, with a tech stack including Next.js, React, Node.js, TypeScript, and MySQL.

### U.S. Engineering                                                                                                    2022 – 2023
*Application Developer II*                                                                                              *Kansas City, MO*

- Worked remotely while developing and supporting a wide variety of internal web applications and reports in an Agile setting, using a tech stack featuring Node.js, Nest.js, TypeScript, React, Sequelize, Electron, Postgres, Microsoft SQL Server, Microsoft Azure, and Microsoft Power BI. Documented code, processes, development patterns, and data models. Built API endpoints, Power BI reports, and serverless Azure functions for custom integrations. Configured projects in TeamCity for the CI/CD pipeline, created automated test suites with Cucumber, and reviewed other developers' code for pull requests.
    - Devised a solution for bundling invoices – located on the internal network – as one PDF. Built an Azure function that invoked an Azure logic app to securely retrieve each invoice via the on-premises data gateway, then exposed this as an internal API endpoint. This solution automated a tedious manual process and freed up an estimated 300+ man-hours every year.
    - Created an integration to synchronize employee data from one system to another in order to automate another time-consuming manual process. Worked within strict timeout and rate-throttling limits to develop an efficient and effective solution that worked around a painful shortcoming of the third-party API wherein a particular subset of data required one API request per employee.

### City of Lakeland                                                                                                    2013 – 2022
*Senior Programmer*                                                                                                     *Lakeland, FL*

- Managed and led small projects, coordinated resources, and communicated with stakeholders. Produced project requirements and documentation, analyzed business processes, and collaborated with subject matter experts to develop solutions.
    - Managed ADMS projects for DMS and OMS involving multiple development resources and stakeholders. Developed new SOA integration piece and .NET web service for Maximo and OMS.
- Developed Java customizations, automation scripts, and provided support for IBM Maximo and mobile applications. Configured and supported WebSphere. Designed, developed, and modified BIRT reports.
    - Debugged and deployed several fixes to correct critical show-stopping issues identified late during the Maximo 7.6.1.2 Feature Pack project, allowing it to go live as scheduled and saving the city over $10,000 in extended support fees.
    - Developed customizations for the legacy Syclo Agentry mobile application which saved the Energy Production and Electric Customer Service departments over $8,000 and $10,000 in consulting fees, respectively.
- Developed, maintained, and supported system integrations. Designed and maintained tables, views, procedures, triggers, and advanced queues with Oracle Database to manage data. Created web service endpoints in Maximo, Oracle SOA, and Oracle Service Bus. Modeled transaction processing logic after customers' business processes.
    - Converted the Oracle EBS/Maximo integration during the city-wide project to upgrade Maximo to version 7.6. Replaced interface tables with web services in OSB and created a new SOA integration piece for outbound Maximo purchasing transactions.

### Apps Communications                                                                                                 2011 – 2013
*Software Developer*                                                                                                    *Chicago, IL*

- Worked remotely while maintaining front- and back-ends for several websites with ASP.NET and C#, worked with customers to define requirements for their requests, provided estimates, and developed modifications per customers' specifications.
    - Built a Java applet feature for customers that would allow potential buyers to compare the features and costs of different vehicles.

## EDUCATION & CERTIFICATIONS

**Indiana University, School of Informatics,** Indianapolis, IN

**Oracle Certified Associate (OCA)**

*B.S., Media Arts and Sciences,* May 2009

*Java SE 7 Programmer,* September 2015

## TECHNICAL SKILLS

### Languages

- Java, JavaScript, TypeScript, Python, Jython, PL/SQL, jQuery, JSON, HTML, CSS, Jade/Pug, PHP, Haxe, Perl, ASP.NET, C#, WSDL, XML, XSD, XPath, XQuery, XSLT

### Software/Tools

- Azure, Bitbucket, Express.js, Git, GitHub, JDeveloper, Maximo, MongoDB, MySQL, Nest.js, Node.js, Oracle Database, Postgres, Postman, Power BI, React, Sequelize, SoapUI, SQL Server, Team Foundation Server, Teams, Toad, Visual Studio, VS Code, WebLogic, WebSphere

### OS

- Windows, Linux, Android

## INTERESTS

- Do It Yourself (DIY), *Whose Line Is It Anyway?*, Retro gaming (NES/SNES), Dungeons & Dragons, Music composition, Nutrition/Meal prep