

Amber Dunn

Technical Architect & Development Lead at United Power

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Summary

Let me just start with, I LOVE Programming. For me it's about figuring out the solution to the puzzle and an insatiable curiosity. Taking ideas from concept to production and watching them come to life is my passion. I started programming in DOS as a child 22 years ago. In 2002 I began my journey learning web development in the early days of web technology. Over the years I have fallen in love with JavaScript and all of it's wonderful possibilities.

Experience

Technical Architect & Development Lead

April 2018 - Present

At United Power I lead development and architect solutions that push the boundaries of blockchain technology for a unique ecosystem of applications & games. I build, manage and lead development teams and serve as the JavaScript Technical Game Architect.

Architect solutions for blockchain based software concepts encompassing a custom financial system with wallet and PayPal style checkout flow with crypto rewards and an MMO style browser-based game based on the concept of a popular board game of trading properties, from scratch.

Direct the activities of the development and engineering teams for 3 main projects and consult on 3 other company projects to provide expertise and direction. Mentor developers throughout the projects and assist with logic and implementation.

Create technical interview protocol, design coding challenges and process, review coding challenges and provide final verdict on hiring new engineers. Host technical interviews and provide challenges, review and assessment ongoing.

Interview, train and lead teams of developers, QA engineers, dev-ops engineers and admin staff to develop processes from scratch.

Provide training sessions for non-development team members on the development process, software development life cycle, and software architecture as a process.

Work with business analysts to review game concept documents and provide architecture, direction and the technical design documentation as well as ongoing direction for the engineering teams. Manage and train employees on the usage of company tools such as GitLab, Mongo Compass, Jira, JustinMind, Slack, etc.

Tech Stack: React, Redux, Sagas, Node, Express, Koa, CreateJs, EaselJs, JavaScript ES6 & ES7, CSS3, SASS, LESS, Cypress, Jest, Mocha

Senior Development Consultant

November 2015 - Present

Develop applications for several clients in the casino sector including custom game and management software as well as hardware driver development for integration with web-based applications deployed on self-serve kiosks.

POSmax: PIN and Game Floor Management Application

Developed a MEAN stack application to manage casino game floor and pin based authentication with TITO system.

AngularJS, Angular4, MEAN, Node, Express, Mongo, barcode generator algorithms

Asteroids: 2D Skill Based Casino Game

Developed using JavaScript as a ongoing project, still in the testing/pre-skinned phase.

JavaScript, HTML5, CSS3, Booty5 Game Engine, SVG Animation

ID003 Node Driver: JCM Bill Acceptor Driver in NodeJS

NodeJS, SerialIO, JCM ID003, JS hardware driver, C++

Owner & Developer

August 2011 - Present

A Sample of Recent Projects:

UPS Box Animation

Oxford & T3 | Remote

Developed an animation to enhance the user experience when shipping items with UPS.

Skills: Angular4, SVG, D3, Three.JS, CSS3, HTML5

POSmax

NexGaming | Remote

Developed a full stack wallet application to interface with the Leander Games casino systems with a custom REST API to integrate with existing game systems. Developed as a stand-alone PIN/wallet system to track money in and money out by cashier and pin (customer).

Skills: MEAN, Node, AngularJS, Angular4, Express, Mongo, Hardware Integration, REST API

Asteroids

NexGaming | Remote

Asteroids is a shooter style game built in JavaScript and HTML5 using the Canvas API and Booty 5 Game Engine.

Skills: JavaScript, Booty5, CSS3, Animation, Game Development, HTML5

Wescott Structures

Intelivative | Remote

Developed a custom Wordpress theme using designer wireframes and interpretation.

Built functionality to remove the All parameter from an animated masonry isotope grid with category filtering.

Skills: Wordpress, PHP, JavaScript, CSS3, HTML5

ClientTree

Intelivative | Remote

Developed an app using the WP framework to pull data from state databases and provide a searchable platform with comparative algorithms to relate client information to criminal records and traffic violations.

Skills: Wordpress, PHP, JavaScript, CSS3, HTML5

Senior JavaScript Developer at Oxford Global Resources

December 2016 - March 2018 (1 year 4 months)

Develop applications using multiple JavaScript technologies for several clients in different industries.

Remedy Partners: Episode Connect (Internal)

Worked on a remote team of developers to build drop-in and integrated components into existing architecture using ReactJS, Redux, RxJS, RAMDA, SemanticUI, Jest, CSS3, LESS

ESRI: esriU Training Site

Worked with a team of remote and onsite developers as a Full Stack developer to continuously integrate features into a production level application using MEAN stack technologies.

AngularJS, Angular v4, Node, Express, Mongo, SASS, LESS, CSS3, LoDash, Async, Karma, Jasmine

T3/UPS: Interactive Box Model Animation

Developed an animated, interactive box model for a client side drop-in component using D3, Angular v4, SVG Animation, ThreeJS, CSS3

Senior Development Consultant at PerficientXD

September 2015 - May 2016 (9 months)

Developed front-end solutions with Twigkit working alongside the Twigkit team. Integrated GSA with company data to build front end components. Managed the Git repository for an international team of developers. Built several internal tools to enhance the employee network and asset search capabilities.

Skills: JavaScript, HTML5, Git, CSS3, Java, GSA, Twigkit

Mentor at Thinkful

2016 - 2016 (1 year)

I really enjoyed mentoring coding students with Thinkful. Guiding students on the path from their first line of code to an amazing portfolio was very fulfilling. I now take on students of my own one on one in my spare time.

Senior Software Architect

July 2015 - November 2015 (5 months)

Developed a kiosk solution to provide a voucher based cashless system for managing and validating industries that require stringent rules around cash in and cash out.

Worked with JCM to develop a custom driver for the JCM iVizion ID008 protocol to interface with a custom TITO kiosk system including a set of OCR requirements for bank validation.

Skills: C#, Node.JS, HTML5, CSS3, JavaScript, jQuery, PHP, MySQL, Mongo, Edge, Express, Socket IO, Serial IO, Knockout and more.

Senior Development Consultant at AgFirst Farm Credit Bank

December 2013 - September 2015 (1 year 10 months)

Worked with a fantastic team of designers and content wizards to develop several association websites and the Get Farm Credit app. Opened the door for unlimited design potential while overcoming the usual Kentico CMS restrictions on the possibilities of front-end features.

Spearheaded and developed the Get Farm Credit app while working with designers to create a beautiful experience on any device. Helped streamline the process for front-end Kentico development to reduce production time from 22 months to 2-3 months per association website while maintaining the individual brand standards and unique culture of each association. Aided in training designers and new hires in developing with Kentico CMS.

Skills: JavaScript, HTML, CSS, Kentico, Google APIs, coordinate boundary mapping with geolocation of the eastern region of the US

Senior Development Consultant at Premier, Inc

March 2015 - July 2015 (5 months)

Lead the front end development of several pharmaceutical processing applications. Collaborated with executives and managers to decide and evaluate requirements for the applications; then directed the design team on how best to implement the layout and elements. Worked with back end developers to construct the data flow. Developed to design and requirements using best judgement and expertise with HTML5, CSS3, JavaScript, jQuery, and Knockout.js.

Senior Application Developer at Ally Financial Inc.

August 2014 - March 2015 (8 months)

Worked with a great team to develop the front-end of the mobile web version and desktop redesign of their online banking portal. Worked daily with design, development and test teams to communicate requirements and develop solutions. Also worked on the print features, desktop dashboard redesign, and defect remediation.

Skills Used: CSS3, SASS, HTML5, JavaScript, jQuery, Handlebars, and Ember.js.

Web Master | Business Manager

January 2009 - August 2011 (2 years 8 months)

Developed company e-commerce and finance websites while managing business operations for a small financial advising firm.

Graphics Architecture Intern at Intel Corporation

July 2010 - December 2010 (6 months)

As a Graduate Architecture Intern at Intel Corp in California, I used Perl, CSS, HTML and JavaScript to build web based reporting applications that could gather information and provide reports on the benchmarking software, worldwide network of servers and current system configuration (build). Multilevel reporting with full file extraction and (rudimentary) filterable results. Included a notification system to email the manager nightly of any updates to the infrastructure around the world.

Skills: JavaScript, HTML, CSS, Perl

Owner, Web Developer & PC Technician

April 2006 - January 2009 (2 years 10 months)

Education

Keller Graduate School of Management

Master of Business Administration (M.B.A.), Computer Programming, 2012 - 2014

DeVry University

Bachelor of Computer Science, Game and Simulation Programming, 2007 - 2010

Activities and Societies: Tutoring other students in mathematics and programming.

Kaplan University

Associate of Computer Science, Web Programming, 2004 - 2007

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