

# JOHN KOUFALAS

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LinkedIn: <https://www.linkedin.com/in/john-koufalas/> | Portfolio:

<https://jkoufalas.github.io/React-Portfolio/>

GitHub: [/jkoufalas](https://github.com/jkoufalas)

Full stack web developer with software engineering experience educated at the University of Adelaide.

Skills in front and back end with strengths in meeting deadlines, problem solving, and teamwork. Passionate about programming and enjoy tackling challenging programming activities and collaborating with others to create meaningful web applications.

With previous experience as a software developer, and a drive to learn and succeed I can provide a unique and valuable perspective.

## TECHNICAL SKILLS

### Key Skills

Full Stack (Web) Development, Software Engineering, Network Administration, GitHub

### Languages

JavaScript ES6+, CSS3, HTML5, SQL/T-SQL, Ada95, C++

### Databases

NoSQL, MongoDB, MySQL, Oracle, MSSQL,

### Server Technologies

Express, Node, ORM's & ODM's,, Progressive Web Applications (PWA), User Authentication Server Sessions, JWT, graphql, Apollo Client

### Browser Based Technologies

React, jQuery, CSS Frameworks (Bootstrap, Bulmar, Tailwind, Chakra), Apollo Server

## PROJECTS

**BrewHaha** | <https://github.com/jkoufalas/BrewHaha> | <https://murmuring-reef-81565.herokuapp.com/>

- Summary: A full MERN Stack E-Commerce website where a user can shop for their favorite coffee supplies and purchase them by logging into their account and purchase using Stripe.
- Role: Full Stack Developer
- Tools: MERN Stack, MongoDB with Mongoose, ExpressJS, React, NodeJS, JavaScript, JWT, User Authentication, Chakra UI (CSS), GraphQL, Apollo Server/Client, Stripe

**codeIT** | <https://github.com/jkoufalas/codeIt> | <https://mysterious-journey-75550.herokuapp.com/>

- Summary: A social media website about coding where people can create categories and threads and come together to discuss them.
- Role: Full Stack Developer
- Tools: Express, Express Handlebars, MySQL, JavaScript, jQuery, ORM, Tailwind CSS, Express-Session, Bcrypt

**Text Editor** | [jkoufalas/Text-Editor \(github.com\)](https://github.com/jkoufalas/Text-Editor) | <https://desolate-citadel-05719.herokuapp.com/>

- Summary: JavaScript Editor that runs in a browser that can work offline with the data persistent to the browser.
- Role: PWA Developer
- Tools: PWA, Service Worker, Workbox, Manifest, Caching, IndexedDB

**WhatsOn!** | <https://github.com/jkoufalas/WhatsOn> | <https://jkoufalas.github.io/WhatsOn/>

- Summary: Movies Database Application where the user can look up any movie currently playing in the cinemas and also any other movie.
- Role: JavaScript Developer
- Tools: HTML, CSS, JavaScript, jQuery, API, Bulmar

## EXPERIENCE

**IPT Analyst Programmer** at Department of Defence, Adelaide, SA

Dec 2011 – June 2021

### Key responsibilities

- Programming Emitter Libraries and Senior Process Engineer and reviewer.
- CEESIM simulations development (RF programming)
- Leading new members.
- Emitter programming and colourisation investigation and programming improvement.
- Network Administration. (OpenVMS, Windows, Linux RedHat)
- Tool development for process improvement. (Oracle, Applications Express, MSSQL, data synchronisation)

### Achievements

- Recovering from a major deficiency in the system through vendor collaboration and subsequent simulator testing and investigations.
- Creating automated tools to significantly reduce reprogramming efforts.

## Additional Experience

**Software and Test Engineer** at BAE Systems Australia, Adelaide, SA

Feb 2007 – Dec 2011

- Software Engineer - OTHR Project 2010 – 2011 (VMS, C++)
- Software Engineer - Project Echidna 2009 – 2010 (Ada95)
- Test Engineer - E7 AEW&C Operational Mission Simulator 2008 – 2009
- Network Administrator - Product Lifecycle Management Team 2007 – 2008

## **EDUCATION**

**Certificate, Full Stack Web Development** – The University of Adelaide

**Certificate IV Applied Project Management Practice** - The Australian Institute of Management, March 2022

**Applied Project Management Short Course** - Australian Institute of Management, May 2021

**Bachelor of Information Technology and Telecommunications with Honours** - The University of Adelaide, Graduated 2006

**Bachelor of Computer Science** - The University of Adelaide, Graduated 2002