



# Kyle Dilbeck

## Software Development & Engineering

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### EDUCATION:

- Bachelor of Science in Computer Science for Software Engineering **California State University Monterey Bay** *BSCS in Software Engineering, May 2021*
- React Expert **Udemy Online** *Certificate in Full Stack React App Development, Jan 2022*

### Technical Skills, Tools & Languages (Includes but not limited to):

**React / Reactjs**, Nextjs, JavaScript, **Typescript**, REST, Java, Python, express, Django, Redux(w/ toolkit), React Context, AWS (+Core & Lambda), **Github**, **GitActions**, **Gitlab**, Figma, Jira, AGILE, SASS, SCSS, CSS, tailwind, HTML & HTML 5, **Ajax**, Docker, SaaS, YAML, **Node.js**, Project Management, MERN Stack or similar(MongoDB, Express, React, Node), Webpack, NGX, CI/CD, SQL, Azure, Dev Ops, Kubernetes, C#, VSC Extension Development & **many npm libraries** such as MUI, React Native, chron, wordpress, google cloud platform, google analytics, firebase

### Technical Experience:

January 2024 - Present **XYIAN Software** - *Sr. Software Developer Remote*

From initial concept to deployment I ensure that software solutions meet the highest standards of quality and performance including due diligence researching and testing latest technologies and integrations. Key aspects of my role include creating new applications from the ground up, 3rd party integrations to existing applications, maintaining existing applications(bugs and support tickets), code reviewing, constant frontend & UI experimentation and assisting others when needed. Primary tools: React, Typescript, NextJs, Python, SQL, C# (.NET), AWS

#### Position Responsibilities include (but are not limited to):

- Own full projects and lead small frontend-focused teams (2-3) from concept to shipment
- Strong desire for creating a beautiful UI experience
- Create and update CI/CD pipelines to automate deployments
- Utilize tools such as lazy loading, SSR and typical SEO meta to optimize performance and indexing (ex google crawling)
- Create and rework theming via SCSS/SASS, tailwind and styled components. (dependent on project/client)
- Communicate directly with clients and stakeholders

#### Achievements:

- Created custom UI library (typescript & javascript w/ jsdoc) including an in-depth wiki.
- Individually shipped 12 full NextJs 14 & 15 web applications

- Utilized tools such as github, jira, servicenow to create, manage, test, track, discuss and document projects.
- Conduct consistent code reviews to improve code architecture, design and flow.
- Upgraded existing applications & legacy code bases ( 8-20yr old code)
- Worked directly with clients to interpret their vision into clear milestones.
- Lead delivery and maintenance of private SaaS products (payments, analytics, user, employee & products, and real-time dashboards).

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April 2023 - August 2024 **Yamaha** - *Sr. Software Developer Contract/Hybrid*

As a Sr. Software Developer at Yamaha Motor Company, I bring expertise in Full Stack React-Typescript development, Java, and Git with extensive experience in implementing full applications and Restful services while collaborating with cross-functional teams and ensuring the timely delivery of high-quality products to the large base of users around the world. Primary tools: React, typescript, prime react, MUI, Git & Github, Java, SQL

**Position Responsibilities include (but are not limited to):**

- Lead software development for Yamaha Dealer System (YDS) for migrating from Ext.JS to ReactJS (with typescript).
- Enhance existing backend resources and created new REST services (API)
- Taught ExtJs developers the essentials of Typescript, React, Git and Visual Studio Code.
- Create React-Typescript projects from scratch
- Develop, test and ship full screens in a large scale application using React.
- Implement Restful services, and integrate them with the UI (Java, REST, JSON)
- Collaborate with cross-functional teams to ensure timely project delivery and provide technical guidance throughout the development cycle.

**Achievements:**

- Created an extensive custom TS component library and corresponding snippet libraries to streamline development and help legacy developers.
  - Over 50 unique components that are now 'essential to development'
  - Increase of new feature and feature maintenance times
  - Homogeneous code structure greatly helped team collaboration and problem solving
  - Customized components for over 20 different business applications, themes, unique validation and security ex. Yamaha Watercraft, Dirtbikes, Power Products, Power Assist Bikes, Golf Carts & more.
- YDS Canada successfully released from ExtJs to ReactJs
- YDS USA successfully released from ExtJs to ReactJs
- Migrated 8 large code bases from CVS to github while teaching legacy developers the ins, outs and nuances of github while creating and teaching a unique gitflow tailored for YDS development requirements.
- Published a series of Yamaha extensions on Visual Studio Code Marketplace that are utilized by the YDS team to create a more uniform, organized and readable code base.
- Created a full wiki & documentation for existing components, code practices and gitflow.

- Individually created, tested and shipped 120+ unique screens that are used globally by dealers today.

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August 2022 - Feb 2023 **Bluon Inc** - *Full-Stack Developer - Contract/On-site*

Acted as a professional software Swiss army knife by working on multiple projects to provide quick software solutions as complex problems arose, specifically with new and innovative projects. My work has encompassed diverse initiatives such as enhancing user analytics, modernizing and streamlining legacy software and code, managing the launch of new divisions, safeguarding and refining web server performance, optimizing internal team workflows through software solutions and automations, and executing targeted SEO strategies. Primary tools: python, java, javascript, React, React native, Next.js, Nodejs, mongoDB (MERN), Jira, SQL, Postgres, Redux, Ajax, SaaS, GA4, GCP, GSC, GTM, GAPI, Typescript, Coda, Digital Ocean, Git, php, jquery, Docker, Kubernetes, Ring Central(API).

**Position Responsibilities include (but are not limited to):**

- Liaison Between the Operations Team, Development Team, Member Support Team, Technical Support Team, Finance Team and Executive Team stakeholders to communicate key information
- Built and enhanced features in existing/live applications to enhance cross-server data transfer and enable access to key business insights
- Conducting due diligence on new software to find the most flexible and scalable solution to complex problems while collaborating with COO & CEO
- Creating and managing the entire lifecycle of internal software tools for various teams
- Integrating external software libraries and APIs into new and existing projects
- Maintaining legacy code written by previous developers and creating new and improved solutions that work with the existing code
- Creating and editing the Bluon website, including occasional creation of new pages and helping to maintain internal dashboard accuracy
- Retrieving and organizing data for internal business intel and reporting purposes

**Achievements:**

- Managed an internal development team while creating software solutions and automations for key internal teams (ex finance and customer tech support) saving them hours of repetitive work.
- Fully rebuilt and restructured legacy php web app (front and backend) to react and nodejs with mobile-first design with 250% increase in SEO/indexing (#1 ranked)
- Optimized and organized user analytics with GA4 in react and react native and automated structuring data from big query to local production databases to serve internal teams real-time analytics

- Created key dashboards to conceptualize large analytics for each internal team with automated, real-time data so their job was easier, quicker, and more effective.
- Created, maintained, and optimized web pages quickly & securely. (React & React Native)
- Presented insights, data, and progress for my team to the CEO, COO and Director of Operations weekly and the entire company monthly.
- Presented to board members & management about software solutions, KPAs and important user analytics by visualizing real-time data along with user analytics.
- Redesigned UI/UX of multiple web pages and app pages to be easier to use and visibly user friendly such as color blind mode and decreased clicks while also improving “first paint” and general paint loading times to increase SEO and loading times in low data areas. ([bluon.com](http://bluon.com) , [tdx-20.com](http://tdx-20.com), [bluonlive.com](http://bluonlive.com))

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Nov 2021 - July 2022 **Ikaun (Neudesic LLC)** - *Full Stack Developer - Contract/Remote*

Fast-paced start-up with primary focus on data processing for their users. Tech Stack: React, React Native, .NET 6.0, nodejs, JavaScript, Azure, dev ops, TypeScript, SCSS, SaaS, Python, cloud cluster, click up. Tracked and completed over 30 new features(60% front-end).

**Achievements:**

- Individually shipped .NET web app through react and migrated older web apps and features from .NET 3.5&4.8 to 6.0
- Embedded and custom web application work creating new features, improving existing features, testing, and bug fixing for web and mobile applications.
- Resolved customer support tickets that required hotfixes & deploys on cluster.
- Updated & recorded all task progress, hours, current code, or sometimes current issues via dev ops, click up, and git.
- Assisted customer meetings, and product releases, conducted code reviews, bug-testing, quality control, and beautification of new features(UI/UX design).
- Introduced the company to Google analytics and tracking customer web traffic.
- Created a library of custom hooks to remove the repetitive business logic

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Dec 2020 - May 2021 **Media Capital** - *Full Stack Python - Freelance Contract*

Developed and Implemented AI-Driven Testing and Monitoring System, Led the design and implementation of a web-based AI system using Python, Flask, and Google Analytics to autonomously test high-traffic web app features to continuously analyze user interactions, identify optimization opportunities, and improve usability for a seamless experience. Additionally, built a React-based dashboard that provides real-time performance monitoring, allowing employees to run, update, monitor, and control the system's functionality.

Skills: Web Development · JavaScript · wordpress · Algorithms · HTML5 · Web Applications · Object-Oriented Programming · React.js · REST · Python · Project Management · Software

- Designed a scalable REST API using Flask and FastAPI, enabling seamless data retrieval for real-time monitoring dashboards.
- Implemented predictive analytics models to anticipate user behavior and recommend UI/UX changes for a seamless experience.
- Integrated WebSockets and Flask-SocketIO for real-time updates and push notifications.
- Developed custom data visualization components (D3.js, Chart.js, or Plotly in Python) to display system performance insights.
- Automated CI/CD deployment pipelines using GitHub Actions and Docker, ensuring smooth updates to the AI-driven monitoring system.
- Implemented logging and monitoring solutions using Python-based Prometheus exporters and Grafana dashboards.
- Deployed applications on Linux-based cloud environments, optimizing server performance and security.

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Jan 2016 - Dec 2020 **D&D Construction & Management** - *Software Developer - Full Time & Onsite*

Trailblazer in automated drone management and software solutions, designing, creating, and maintaining web applications optimized for large-scale construction projects. Lead the migration of these applications to React for a more modern, scalable front end, enhancing the functionality and user experience. Pioneered multiple software solutions, including automated flight programming, 3D modeling integrations (AutoCAD), and front-end web development.

Skills: Reactjs · JavaScript · Software Development · User Story Mapping · Web Services · SQL · Algorithms · HTML · Web Applications · Object-Oriented Programming (OOP) · REST APIs · Python · Search Engine Optimization (SEO) · Project Management · Software Design · CSS · GitHub · Java · Agile Application Development · Node.js · Linux · Autocad · DJI 3D · Procore

**Achievements(main):**

- Created in house image management app for site and RFI pictures called D-Bot (Java)
- Individually created flight programs in over 200 sites for automated 3D modeling, measurements, timelapse and requested pictures from stakeholders. (python)
- Designed and shipped public facing company web app (later updated to React & NodeJs)
- Designed and shipped an in-house employee portal for tracking time, tasks and to view project details such as plans, RFIs, schedules, prices, measurements and notes.
- Reworked existing web app to Reactjs with Nodejs while adding many new features such as linking D-Bot to auto upload project pictures and 3D modeling walk-throughs
- Custom API for drone completion times and image sources that evolved into worker dashboard API
- Created in-depth guide to custom libraries and D-Bot for future developers to understand and contribute.



To Whom It May Concern,

I'm writing to recommend Kyle Dilbeck for your consideration. Kyle has been a part of our team at Bluon for the past 8 months and has been an invaluable asset to our team.

As the Director of Operations, I had the pleasure of working with and directly manage Kyle on a daily basis. Kyle was a great teammate, always reliable and hard working. Kyle thrived on tackling problems that required out-of-the-box solutions and was always up for the challenge. Most importantly, Kyle had a high degree of integrity and was supportive of other team members.

As the Chief Operating Officer, Kyle was a pleasure to work with and manage. Kyle is highly organized, with a great eye for details, and always willing to go the extra mile. Kyle consistently provided us with excellent results and was an invaluable asset to our team.

I am confident that Kyle will be an outstanding addition to your team, and I highly recommend Kyle for your consideration.

Sincerely,

Danica Bunnett  
Chief Operating Officer  
Bluon, Inc.

Tanner Morgan  
Director of Operations  
Bluon, inc.