Patrick Bennett

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EDUCATION

THE INTERNET

Coursera
M.I.T. OpenCourseWare
MDN Web Docs
LaraCasts
Udemy
Stack OverFlow
GitHub

WALLACE STATE COLLEGE

COMPUTER SCIENCE
2000 - 2002 | Hartselle, AL

NORTH COBB HIGH SCHOOL

Grad. 1999 | Acworth, GA

LINKS

Github:// **patrickisgreat**
LinkedIn:// **patrick-bennett-7769016**
StackOverflow:// **funkenstein**

SKILLS

PROGRAMMING

JavaScript • Python • PHP •
React • Laravel • Vue.js •
Node.js • Express • NestJS
CSS • Sass • Less • HTML
GraphQL • REST • SOAP•
MySQL• Postgres•

DEVOPS

Linux CLI • BASH • Vim•
Git (cli) • Docker
AWS • Lambda • CloudFormation •
Kinesis • DynamoDB •
Jest • Pytest • Mocha •

EXPERIENCE

AIRBUS | SR. SOFTWARE ENGINEER
September 2021 to present

- Proposed and implemented the Atlanta Experience Center: customized a realistic A320 model in Microsoft Flight Simulator, constructed a 3D cockpit, and integrated with SkyWise for demo purposes to high-level stakeholders.
- Team Lead: Architected the NOO (Network Operations Optimization) data pipelines, a solution suite for real-time airline logistics, leveraging Python, Serverless, FastAPI, AWS Lambda, DynamoDB, Kinesis, and SQS.
- Developed the sasipy library, providing comprehensive interfaces and types for GE's SASI-Q API, enabling developer friendly data modeling and integration.
- Led a subteam to instate comprehensive testing (e2e, integration, unit) across SkyWise Predictive Maintenance, and built a GraphQL mocking system.
- Traveled internationally to collaborate with engineering teams and spearheaded PI planning for 10-week iterations.

CNN / WARNERMEDIA | SR. SOFTWARE ENGINEER
March 2020 – September 2021

- Improved performance and scalability of the LiveStory React / GraphQL application, an high traffic application used for live news feeds.
- Improved performance of the cnn-data-api GraphQL service using k6, and Apollo Studio to identify and refactor bottlenecks in queries and api stitching.
- Built failover REST api for LiveStory application to support higher traffic during the Presidential election.
- Helped build very early iteration of CNN+, a video streaming platform, before going back to Livestory.
- Built DOM reconciliation features within CNN's Clay CMS to achieve reactive client side UI updates.
- Built ClientModel implementation within Clay to allow for redux-esque client side state management across components.

DIGITAL ADDITIVE | SR. SOFTWARE ENGINEER
April 2015 - March 2020

- Shipped Vacoda - content management and creation system for corporate teams built in Laravel and Vue.js. This app is currently in production use by Home Depot CRM teams and Carters.com.
- Configured Vacoda to ship to AWS EC2 instances via custom Docker containers with BitBucket Pipelines.
- Built a product rating system for Home Depot.
- Built various middleware and integrations for clients such as WeWork, IBM / Interact, and SouthernLinc to extend the functionality of Salesforce Marketing cloud.

BLACQUBE | WEB DEVELOPER
May 2013 - April 2015 | Atlanta, GA

- Built award winning mobile and web front ends for Mercedes and Mercedes-AMG.
- Worked closely with designers to translate static designs into animated interactive experiences built with JavaScript and jQuery.
- Upgraded cakePHP on the Mercedes-AMG Private Lounge web app.
- Administered web servers hosting various builds.