

Shaun Pritchard

Senior Software and A.I Data Engineer

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SUMMARY

Detailed oriented, 8+ years' experience with a strong mathematics and computer science background. I am a result-driven senior level software engineer / AI data scientist. Since 2013. I have designed, developed, and managed user centric agile CI/CD production applications and enterprise products. I am proficient in implementing multiple technologies and programming languages such as React, Python and JAVA. For 5+ years I have implemented, researched, and studied AI, machine learning, predictive modeling, data processing, publishing independent research, and data mining algorithms to solve viable business challenges. I also have a range of skills in automating, testing, statistical models, algorithms design, and problem-solving.

EXPERIENCE

Imprivata, Clearwater FL, Senior Software Engineer

2022-Current

Imprivata is a leading big tech enterprise medical industry cloud-based digital identity ecosystem. As a senior software engineer, my duties were to deliver Agile CI/CD full-stack development solutions, integrate new React designs over the old JSF implementation of the Fair-Warning drug diversion platform. Among my responsibilities were building and re-engineering new frontend applications, UX/UI designs, and API's with Node JS, React, Typescript, Redux, and Sagas. I was responsible for Integrating Storybook UI into the dev-stack. Maintained backend services, API, documentation, and bug fixes in JSF, Spring Boot, Swagger, and Spring Security. I am also responsible for introducing new technologies for SSO testing; such as KeyCloak. Developing standalone big data web scraping tools using Python. Introducing Docker systems, and maintaining backend deployment data using MySQL. Managed by daily SCRUM operations and agile flow with Jira and GitHub.

Web Reactor Tech Solutions, Tampa FL— CTO, Lead *Full Stack Software Engineer, ML Engineer*

2015-2021

Web Reactor Tech Solutions was a US based B2C contractor tech firm. My role as part-founder, software engineer, providing full-stack end-to-end digital business solutions for over 42 US based client. Implemented frontend and hybrid technologies (JavaScript, ReactJS, Angular, Flask, Node.JS, React Native, PhoneGap, Ionic) I helped to manage product development, consulting, and data solutions for all business clients. I also implemented machine learning solutions, API's, and CI/CD pipelines with cloud AWS services for client contracts. I Developed products from conception to deployment, providing data and analysis visualizations and custom analytics tools, designed, and implemented microservices infrastructure using API first methodologies and dockized and version-controlled projects using GitHub. I also, help to scope client Figma UI/UX designs.

SKILLS

Frontend development

Database engineering

Agile methodologies

Data Processing and analysis

Statistical inferencing

Visualizations

Software engineering

Machine & deep learning
engineering

Reinforcement learning

Application testing & refactoring

Embedded systems IoT

AWARDS

(DIS) Direct Independent Study at
FAU

Dean's List -I graduated top of my
class with 3.8 GPA

Honor Roll Student

SAS Certification

Undergraduate Degree

LANGUAGES

Python, JavaScript, JSON, Typescript,
PHP, HTML, CSS, GO, C, C++, C#, R,
XML, Java, erlang, VBA, SAS

FRAMEWORKS & LIBRARIES

Cardinal Scales , Webb City MO— *Embedded Systems Software Engineer Intern*

2014-2015

I was hired as part of the R&D Team responsible for refactoring proprietary software applications JAVA, C/C++, systems engineering with embedded systems and I2C protocol programs into C#. It was my responsibility to develop a .NET, C# libraries, backend, and UI used for testing sensors, scale devices and load cells used in commercial application and precision medical devices.

EDUCATION

Masters in Artificial Intelligence, FL— *M.S, Current*

Florida Atlantic University

Computational Science & Data Engineering, FL— *Bachelor of Science, 2021*

Rasmussen University

Software Engineering, FL— *Associates in Science, 2018*

Hillsborough Community College

Aerospace technology and Maintenance, TX— *2004*

U.S.A.F - Sheppard Air Force Base

CERTIFICATES

Certificate in Cyber Security and Encryption, FL— *M.S, 2023*

Florida Atlantic University

Certificate in Big Data Analytics, FL— *M.S, 2023*

Florida Atlantic University

Certificate in Artificial Intelligence, FL— *M.S, 2023*

Florida Atlantic University

PROJECTS

Project(Primary.ai) — A.I distributed p2p blockchain EHR systems

As part of Florida Atlantic University's Tech Runway incubator program. Research, white-paper, business model, and scope of a new user-centric distributed block-chain governed by AI system for handling patient-centric access and authority for EHR and EMR being proposed by myself and my research partner. The product will allow hospitals and medical companies to share and access medical EHR records with patient permissions in secure blockchain systems through an encrypted validation network while giving full

ReactJS, NodeJS, Redux, Sagas, AngularJS, .NET, React Native, Ionic, Flask, Django, Handlebars, Lodash, Express, Docker, Git, Flask, Flutter, Java, Spring Boot Spring Security, SAML, OAuth, OpenID, Scrapy, B4S

AI & ML LIBRARIES

Scikit learn, Matplotlib, Pandas, Keras, TensorFlow, PyTorch, Theano, Sacipi, R, Jupiter, Anaconda, Tableau

OPERATING SYSTEMS

Linux, mint, Ubuntu, Debian, Windows (7-11), UNIX, Android, E2C, Node-Red, Docker, Kubernetes, Rancher, Unity, MongoDB, CouchDB, Hadoop, Spark, Pig, Tableau, Azure, Anaconda, AWS, Google cloud Keycloak

access to persons who own the medical records to make decisions with AI trust to allow access. Our aim is to address two tiers of issues; the first is the sharing and access of medical data, giving that access to patients it belongs, giving patients a chance to monetize their data and solve the data scarcity issue of medical data.

The white paper I wrote is located in portfolio or upon request.

PERSONAL

I am very passionate, creative, and driven individual who loves to solve problems and puzzles. I also love surfing, spending time with my family, working on code projects, and playing music. I spend my free time at the beach, with my family, or learning new foundations and code skills.