

KHOA NGUYEN

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SUMMARY: SENIOR FULLSTACK ENGINEER

- 11 years of experience in Software Development and 2+ years of experience in leading a team of developers.
- Strong work experience in both front-end, back-end and mobile development technologies: .NET, PHP, SQL, GraphQL, ReactJs, Swift, Kotlin.
- Solid work experience with CI/CD, Kubernetes, Docker, AWS services.
- Published several papers to international engineering journals and conferences, including IEEE, EURASIP, ISITA, WOCC, ICICS.
- Qualifications: Doctor of Philosophy in Electrical and Computer Engineering (Australia), Bachelor of Electronic and Communication Engineering (Australia).

KEY SKILLS

- Strong knowledge of software engineering, design, implementation and technical documentation
- Disciplined and agile organizational and project management skills
- Good communicator with strong ability to work within a team
- Adaptable, open minded and flexible thinker, with problem solving skills

WORK EXPERIENCE

Hitachi Rail STS – Railway signaling and integrated transport systems for passenger traffic and freight operations.

Mar 2021 – present: Senior Automation Software Engineer, Full-time

Responsibilities:

- Technologies: C++, Qt, RabbitMQ
- Develop and maintain train signaling and communication system.

HealthEngine Pty Ltd – Australia's largest online health marketplace, transforming the way Australians access and use healthcare services

Nov 2017 – Mar 2021: Senior Full-stack Engineer and iOS Engineer, Full-time

Responsibilities:

- Technologies: Objective-C, Swift, PHP, ReactJS, GraphQL, Postgres, Kubernetes, Docker, AWS, Braze
- Delivering new features for HealthEngine iOS app within reasonable timeframe. Some exciting products are Patient Feedback, Front-desk Chat, Patient Privacy, Waiting Rooms, Booking Form.
- Leading the effort to maintain stability and improve quality of iOS app codebase through various engineering initiatives.
- Implementing API services for mobile app consumption.
- Member of tech-stack refresh team to design data service layer using Elixir and GraphQL.

Achievements:

- Got promoted to Senior Full Stack Engineer

- Obtained wide range of skillsets of backend, frontend and mobile development through various projects
- Nominated for Employee of the year in 2020

Navitas Limited – is a leading global education provider that delivers an extensive range of educational services

Jan 2017 – Oct 2017: Web Developer, Full-time

- Technologies: PHP, NodeJS, HTML5, CSS3, ReactJS, MS-SQL, Redis, RabbitMQ, Docker, Vagrant, AWS
- Developed and maintained the Navitas student management systems such as Navigate, Axis.
- Designed and maintained database schemas and queries, HTML and CSS presentation development and Javascript/AJAX user interface work.
- Developed and maintained integration between Navigate and external software such as Maze, Moodle, Salesforce.

Primary Healthcare Ltd, Information Innovation – one of Australia's leading listed health-care companies that provides services to medical and allied health professionals

Jul 2015 – Jan 2017: Model Development Engineer, Full-time

- Participated in Agile software development process as a validation and verification engineer. The main task was to develop software verification models to automatically verify various medical software products.
- Developed a software called Test Automation Composer (TACO) with AngularJS, C# and SQL. This software works on top of Ranorex to provide features that Ranorex lacks such as state machine, load test, security test.

8664 Pty Ltd, ACT – A startup company provides IT solutions for various industries

Feb 2013 – May 2014: Web Applications Developer, Project Based

- Used Perl, PHP, ASP.NET MVC, MySQL, ReactJS, JQuery, and Bootstrap to develop several multi-platforms web applications. Developed native mobile applications in for iOS and Android using Objective-C and Java.
- Developed complete rostering system, which includes web interface and native mobile applications for iOS and Android. The system allows companies managing shifts in an ingenious way. It also provides a graphical interface that allows an unskilled user to compose a roster in about a quarter of the time of existing methods
- Developed and maintain water-trading platform, which provides an exchange for a network of brokers covering major irrigation areas.
- Liaised with NAB and ANZ to implement the payment gateway between the banks and the trading platform.

EDUCATION

Curtin University of Technology, Australia

Jul 2011 – Aug 2015: Electrical and Computer Engineering - Doctor of Philosophy

- Research on advanced transceivers design for interference multiple-input multiple-output (MIMO) relay communication systems.

Jul 2009 – Jul 2011: Electronic and Communication Engineering - Bachelor of Engineering

- Graduated in July 2011 with First Class Honors

REFERENCE

References supplied upon request