

Vu-Quang “Bi” Nguyen

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Linkedin: www.linkedin.com/in/vuquangnguyen1 | Portfolio: www.codenguyen.com |

Github: www.github.com/vnn8248

I am an experienced product owner and a self-taught software engineer. Seasoned with 6 years of using end-to-end agile processes, I understand the full life-cycle of software development and can truly relate to all parties involved - from end users, UX/UI designers, and product managers, to Scrum masters, software engineers, and DevOps engineers. I am committed to continuing my career as a software engineer and I am looking to advance my skills and knowledge by helping a team build and maintain great things.

Skills

<u>Front-end</u>	<u>Back-end/ CMS</u>	<u>Databases/ ORMs</u>	<u>Platforms</u>	<u>OS/ Tools</u>	<u>Product management</u>
<ul style="list-style-type: none">• HTML• CSS• Sass• Bootstrap• JavaScript• React.JS• Redux• Next.JS	<ul style="list-style-type: none">• Node.JS• Express.JS• Koa.JS• Strapi• Ghost• WordPress• Apollo• GraphQL	<ul style="list-style-type: none">• MongoDB• MySQL• Postgres• Mongoose.JS• Sequelize.JS	<ul style="list-style-type: none">• MongoDB Atlas• Heroku• Vercel• AWS	<ul style="list-style-type: none">• Linux• VS Code• Chrome Dev Tools• Git• GitHub• NPM• Postman	<ul style="list-style-type: none">• JIRA• Confluence• CA Agile Central• Trello• Microsoft Suite• Google Suite

Experience

May 2021 - present

Software Engineer II, K4Connect - Raleigh, NC

- Within the first 6 months, integrated 8 new IoT devices into the “Home Hub” to increase product offerings to customers.
- Within the first 12 months, contributed to major back-end features in a production release to our “Home Hub” affecting over 10,000 live products.
- Within the first 18 months, promoted from Associate IoT Developer to Software Engineer II.

Professional projects

- IoT devices
 - Purpose - Integrate new Z-Wave and Zigbee certified IoT devices into K4’s “Home Hub” to increase product offerings to customers.
 - Techs - Node.JS, JSON, Linux, Git, GitHub
- Home Hub production release
 - Purpose - Update versions on internal models and dependent softwares and release self-healing system agents to fix bugs and improve performance.
 - Self-healing system agents contributions - check cloud connectivity, check network connectivity, get and upload system log files to AWS S3.
 - Techs - Node.JS, Linux, AWS S3, Git, GitHub

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- IoT devices AWS integration
 - Purpose - Automate quick and easy schema changes to IoT devices in all testing and production environments using AWS S3.
 - Techs - Node.JS, JSON, Linux, AWS S3, Git, GitHub
- Thingsboard database migration
 - Purpose - validate the accuracy of a database migration (Postgres) to determine a confidence level for retiring a database service for cost savings and improving operational performance.
 - Techs - Node.JS, Postgres, Git, GitHub
- Provisioning “Home Hubs” with JSON Web Tokens (JWT)
 - Purpose - Enhance security and efficiency by implementing JWTs throughout the “Home Hub” provisioning process.
 - Techs - Node.JS, Socket.io, JWT, Git, GitHub

Personal projects

- Code Nguyen
 - Purpose - Build my own personal portfolio to showcase my personal projects.
 - Techs - Next.JS, Ghost CMS, Vercel, Heroku, Sass, Bootstrap, Git, GitHub
 - URL - www.codenguyen.com
- We are The Schnguyenies
 - Purpose - Build a custom wedding website for my fiancé and me!
 - Techs - Next.JS, Strapi CMS, Vercel, Heroku, Bootstrap, Google Sheets API, Git, GitHub
 - URL - www.wearetheschnguyenies.com
- Well Portfolio
 - Purpose - Build a fun online portfolio piece for Well.
 - Techs - Next.JS, Apollo/ GraphQL, Wordpress, Vercel
 - URL - <https://bi-nguyen-well.vercel.app/>

Previous Experience

February 2020 - May 2021

Web Designer and Developer at Code Nguyen LLC - Raleigh, NC

March 2019 - January 2020

Product Owner at American Express - Sunrise, FL

June 2018 - December 2018

Business Analyst at Bankers Healthcare Group - Davie, FL

August 2015 - January 2018

Business Analyst at Connecture - Durham, NC

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August 2013 – August 2015

Product Analyst at Ipreo - Raleigh, NC

Education

August 2009 – May 2013

Bachelor of Science, Business Administration, University of North Carolina Wilmington

Community Service

September 2020 – Present

Technical Consultant, Step Up Durham (501c3 non-profit) - Durham, NC

- Assisted with the migration, set up, and testing of Twilio with Salesforce integration.
- Member of data analytics team to calculate key performance metrics such as average cost per participant and return on investment.

March 2021 – Present

Mentor, Code The Dream - Durham, NC

- Intro to Programming class (HTML, CSS, JavaScript) - tutoring, reviewing lessons, and answering questions for students about assignments for the week (1-5 hours per week).