



# Niko Pham

## Senior Artificial Intelligence Automation Engineer

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### SUMMARY

Enthusiastic Senior Artificial Intelligence Automation Engineer showcasing over seven years of experience delivering cutting-edge automation solutions in healthcare. Passionate about applying advanced technologies like Python and AWS to streamline operations and enhance patient engagement outcomes. Recognized for mentoring junior engineers, instilling best practices in development, and fostering a collaborative team environment. Designed robust systems using LangChain and PyTorch that significantly improved workflows. Eager to contribute innovative ideas and technical expertise to forward-thinking teams dedicated to healthcare enhancements.

### STRENGTHS

- 👥 Collaborative Leadership**  
Fostered strong teamwork, encouraging contributions from diverse perspectives. Peers often sought guidance during projects.
- 🔗 Technological Proficiency**  
Expertise in Python, AWS, and RPA tools. Solutions led to reduced operational costs while improving service delivery.
- 💡 Innovative Problem-Solving**  
Devised creative approaches to complex challenges. Juniors frequently commended me for my assistance in overcoming obstacles.
- 👨‍🏫 Mentorship Commitment**  
Dedicated time to coaching junior staff, built lasting foundations for their growth. Their achievements reflect our team effort.
- ⚙️ Workflow Optimization**  
Streamlined operational processes through automation tools, observed smoother execution of daily functions firsthand.

### SKILLS

Python AWS Terraform

LangChain PyTorch RPA

API Development

Machine Learning

Healthcare Data Standards

Project Management

Systems Integration Data Analysis

### EXPERIENCE

#### Senior Automation Engineer

HealthTech Innovations 📅 January 2020 - Present 📍 Austin, TX

Leading design and optimization of AI-driven automation workflows, focused on enhancing clinical decision support within the healthcare sector.

- Engineered automation solutions that bolstered clinical decision-making across various healthcare services.
- Collaborated closely with cross-disciplinary teams to seamlessly integrate machine learning models into existing automation platforms.
- Provided mentorship and guided junior developers through code reviews, reinforcing development practices and quality standards.
- Spearheaded initiatives to streamline workflows, resulting in measurable efficiency gains for operational processes.

#### Automation Engineer

SmartMed Solutions 📅 June 2016 - December 2019 📍 Dallas, TX

Drove RPA implementations aimed at reducing administrative burdens and improving efficiency throughout healthcare environments.

- Developed robotic process automation solutions effectively streamlining routine administrative tasks.
- Created APIs and microservices facilitating seamless data exchanges between multiple healthcare systems.
- Engaged in continuous performance improvement efforts, ensuring adherence to compliance and regulatory standards.
- Actively participated in onboarding and training sessions to educate staff on new systems integrations.

#### Junior Automation Developer

AI Healthcare Systems 📅 May 2014 - May 2016 📍 New Orleans, LA

Supported the development of automation scripts critical for optimizing healthcare data processing workflows.

- Assisted senior developers in creating robust automation frameworks aligned with project requirements.
- Utilized rigorous testing protocols during validation phases, ensuring high-quality deliverables.
- Collaborated with the project management office to maintain schedules and adapt strategies as needed during project lifecycles.
- Documented processes thoroughly to enhance knowledge sharing among team members and maintain clarity.

### LEADERSHIP & AWARDS

- Top Innovator Award for Excellence in Automation at HealthTech Innovations, 2021
- Recognition for Outstanding Mentorship from SmartMed Solutions Team, 2018

Technical Mentorship

Collaboration

Regulatory Compliance

Clinical Support Systems

## LANGUAGES

English Native

Vietnamese Proficient

## MY CAREER



● Senior Automation Engineer at HealthTech Innovations (6.4 Years)

● Automation Engineer at SmartMed Solutions (3.5 Years)

● Junior Automation Developer at AI Healthcare Systems (2 Years)

## EDUCATION

### Bachelor's Degree in Computer Science

University of Texas 🎓 GPA: 3.8 📅 2014 📍 Austin, TX

**Coursework:** Data Structures, Software Engineering, Database Systems, Machine Learning

## CERTIFICATIONS

- Certified Automation Professional (CAP) 📅 2020
- AWS Certified Solutions Architect 📅 2022

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, R
- **Cloud Services:** AWS, Microsoft Azure, Google Cloud
- **Networking Technologies:** TCP/IP, VPN, Firewalls
- **Development Methodologies:** Agile, Waterfall, Scrum
- **Version Control:** Git, SVN, Bitbucket
- **Containerization:** Docker, Kubernetes, OpenShift
- **Database Systems:** SQL Server, MySQL, PostgreSQL
- **Business Intelligence:** Tableau, Power BI, Looker
- **Security Standards:** ISO 27001, HIPAA, GDPR
- **APIs & Microservices:** RESTful, GraphQL, SOAP

## PROFESSIONAL AFFILIATIONS

- Member of the Association for Automated Machine Learning Professionals, since 2019
- Volunteer at Tech Through Time, providing tech education to underserved communities

## ADDITIONAL INFORMATION

**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

AVAILABLE ON REQUEST