INSIGHT

DevOps Engineering
Fellows Program

Insight's DevOps Engineering Fellows Program is an intensive, professional training program, leading to a career in the field of DevOps engineering. In seven weeks, engineers and software developers gain the experience with the technologies and processes needed to transition to high demand roles in DevOps, Site Reliability, Infrastructure, and Platforms at leading companies in New York and Silicon Valley.

Your Bridge to a Career in DevOps Engineering

Do you want to become one of the most valued engineers in the industry? Do you want to build world-class distributed systems at the top engineering teams? Do you want to understand the most advanced infrastructure and dig into the complex systems that run the digital world? Do you want to collaborate with the best software developers, and solve the toughest problems facing engineering organizations?

Top engineering organizations are building dedicated teams of engineers that are skilled in systems, networking, security, automated provisioning, reliability engineering, continuous integration and deployment, logging, monitoring, containers, and cloud infrastructure. These engineers work on Site Reliability, Operations, Infrastructure, and Platform teams to enable every engineer at their company to build, deploy, and maintain features at 10x the rate. They are software engineers that design and build production-quality systems that can scale to hundreds or thousands of servers in a matter of seconds. By building the automated tooling to observe their systems, they have the full picture when outages happen, and can diagnose and fix their systems at a moments notice. They learn from past incidents, and improve the tools and processes to avoid problems in the future. Engineers with the DevOps mindset are the difference between engineering teams that thrive, and those that are crippled by toil and dysfunction.

The Insight DevOps Engineering Fellows Program is a professional training fellowship that helps engineers and developers transition into the field of DevOps engineering**.** This seven week, full-time, in-person, tuition-free program enables engineers and developers to leverage their existing skills to become the most valuable engineers in the industry. Fellows learn by building and maintaining production-quality infrastructure and features through the entire software development life cycle. They receive guidance and resources from industry mentors and leaders of open source projects in Silicon Valley. Additionally, Fellows gain access to a network of more than 1,500 Insight alumni that work at over 400 companies. Immediately following the program, Fellows interview at leading companies in New York or the San Francisco Bay Area and receive continued guidance and support until they accept a full-time offer to join a top engineering team.

Insight DevOps Engineering in a Nutshell:

- 7 week, full-time, professional training in New York and San Francisco.
- Tuition free program, with need-based scholarships to help cover living expenses.
- Self-directed, hands-on learning with the guidance of industry leaders in DevOps.
- Alumni network of over 1600 Insight Fellows who are now working in the data communities in Silicon Valley, New York, Boston, Seattle and Toronto.
- Meet dozens of top companies, present your work to teams you're interested in, and interview with DevOps/SRE/infrastructure teams immediately following the program.

Insight DevOps Engineering Fellows Program

With 1600+ Insight Fellows working at over 400 companies, our alumni have worked with the best engineering and data teams in the industry. The experience of our Fellows is clear: the best teams in the world don't just focus on building software, but also building the systems to help them deploy and maintain that software more efficiently. As a result, some of Insight's best engineering Fellows are joining (and leading) top **DevOps and SRE teams,** with a focus on building platforms, tools and infrastructure to help software engineers and data scientists maximize their output.

The Insight DevOps Engineering Fellows Program is targeted at engineers who want to transition to a high-growth career in the broad field of DevOps, Site Reliability Engineering (SRE), Infrastructure, and Data Platforms. The Insight DevOps Engineering Fellows Program is a free, 7-week, full-time, in-person program based in New York or Silicon Valley where Insight Fellows will meet with the leaders in the DevOps community. They will build cutting-edge projects reflective of the work being done on the best teams, and meet heads of SRE and DevOps teams who will ultimately hire out of the session.

We'll have industry mentors and hiring managers from engineering teams at top companies like Twitter, Facebook, LinkedIn, Uber, Lyft and Google — as well as high-growth startups including Chartbeat, Bosch Autonomous Driving, Blue Apron, Opendoor and Meetup. Additionally, Fellows will receive feedback and advice throughout the program from Insight alums who are working on SRE, DevOps, and Data Infrastructure teams including LinkedIn, Netflix, Google, Apple, Lyft, Airbnb, Stitch Fix, Capital One Labs, Blue Apron, Yelp, and Domino Data Labs.

The program is designed for engineers with a passion for automation and increasing engineering productivity, who love building out and deploying the latest cutting–edge open source tools, and prioritize solving the biggest pain points for engineering teams working on the most critical web and data infrastructure. Fellows will join a diverse cohort that has a strong background in software development, systems engineering, operations, as well as electrical and computer engineering, with a focus on networking and security. No specific educational background or credential is required — if you have experience writing code and engineering sophisticated systems, you should apply to the program.

The selected Insight DevOps Engineering Fellows will deploy the latest cloud infrastructure on Amazon Web Services (AWS). Fellows will learn the cutting-edge operational technologies including:

- **Package Management and Provisioning**: Packer, Terraform
- **Continuous Integration and Deployment**: Jenkins, TravisCI, CircleCI
- **Containers/Orchestration**: Docker, Cgroups, Kubernetes
- **Configuration Management**: Puppet, Chef, Ansible
- **Scheduling**: Airflow, Luigi, Azkaban
- **Monitoring and Observability**: Honeycomb, Prometheus, New Relic
- **Log Aggregation:** The ELK stack, Sumo Logic, LogDNA

Most importantly, you'll learn when and why to use these tools to make sure your engineering team has scalable and reliable systems driven by a strong DevOps culture.

As with all our Fellows Program, the DevOps Engineering Fellows will *not just* learn about DevOps, but will *learn by building*. You will join a community of top AI and data engineers, data scientists, and product managers that parallels the role you'll experience in the industry, with the other Insight Fellows being the engineering and data team you're supporting. As a result, you won't sit through lectures or talks — you will be be building and maintaining world-class infrastructure in a real-world setting, gaining the experience you need and building evidence for top teams that you will thrive in the field of DevOps, SRE or platform engineering.

The next Insight DevOps Engineering Fellows Program will run in Silicon Valley and New York starting on January 14th, 2019. The tuition-free, 7-week program will involve building cutting edge DevOps infrastructure while meeting top teams who will interview you immediately after the program, transitioning into the field after completion of the fellowship.
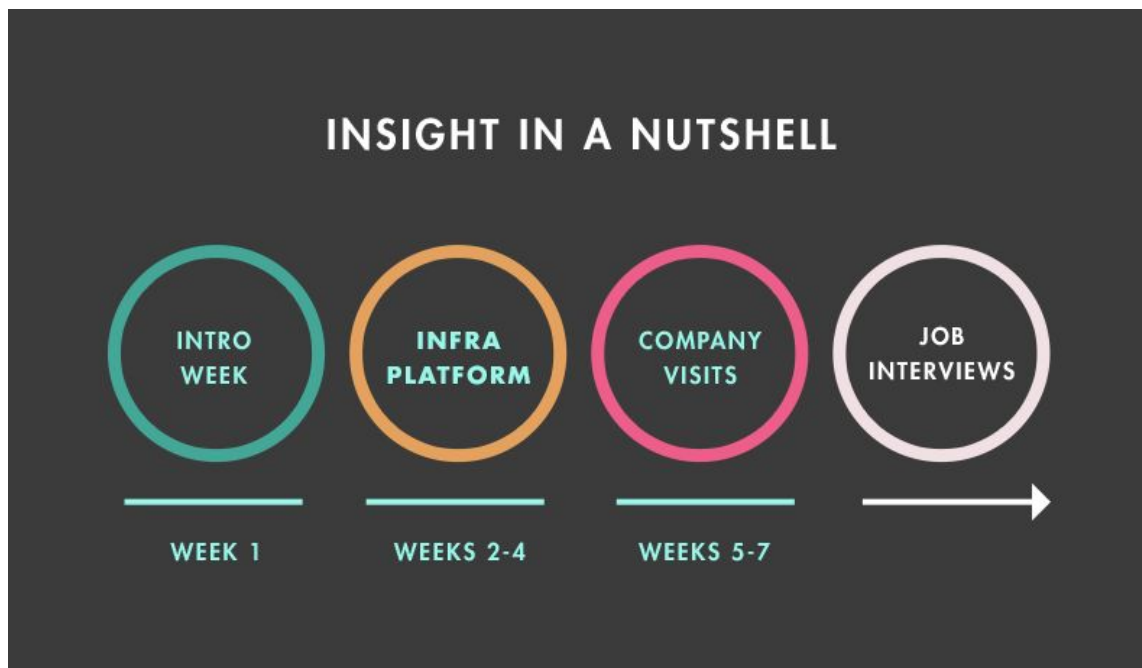
About Insight

In 2012, Insight developed a new model for education: we bring together very smart, hard-working, and enthusiastic scientists, engineers, and product managers who have the fundamental skills, and enable them to make a transition into a specialized and technical field by gaining hands-on experience with the tools and practices of industry and engaging with an extensive network of industry mentors.

Since then over 1,500 engineers and scientists have transitioned into roles as data engineers, data scientists, AI researchers, ML engineers and infrastructure engineers via our various fellowships. These Fellows Program include Data Science, Data Engineering, Health Data Science, Artificial Intelligence, Data Product Management, and now: DevOps Engineering.

DevOps Program Details & Timeline

The Insight DevOps Engineering Fellows Program runs for 7 weeks in both our New York City and Silicon Valley offices. Immediately after the session DevOps Fellows will interview with top DevOps, SRE & Infrastructure teams in the area of their program. The New York office is located in the heart of Manhattan, within the Flatiron district. The Silicon Valley office is in the South Park neighborhood of San Francisco, about a 10-minute walk from both the Caltrain and BART public transit systems that connect to the wider Silicon Valley.

Weekly Breakdown of the Program

- **Week 1: Intro** - Learn industry standards for automating production quality systems
- **Week 2: Build** - Design scalable, distributed, cloud-based infrastructure.
- **Week 3: Deploy** - Deploy new features using continuous integration and deployment
- **Week 4: Maintain** - Monitor the infrastructure you've built with incident management
- **Week 5-7: Present and Prepare** - Present your project to the companies you are most interested in, and begin preparing for the interviews that will follow.
- **Week 8+: Interview** - Interview at the companies that call you back from your presentations, and join a top DevOps, SRE, or infrastructure team in New York or Silicon Valley.

Collaboration and Mentorship

Though each Fellow builds their own automated infrastructure based off their individual interests and abilities, the strength of Insight is rooted in a collaborative environment. Fellows accelerate their learning by working together to solve common problems and leveraging the diverse backgrounds of one another.

Insight DevOps Engineering Fellows will collaborate with and be mentored by:

- **Your fellow Fellows** - Ambitious engineers with common goals and a diverse set of skills that complement your own. Some have years of experience with databases and writing production quality code, while others managed or built large-scale, distributed systems. Learn the way you do in industry, by collaborating and working through challenges with your peers.

- **Network of Alumni** - Previous Fellows who have been through this transition, and are now at top companies in the field. They provide individualized guidance and practice with interviews. In addition to our new DevOps Engineering alumni, many of our previous Insight Data Engineering alums are now in DevOps, SRE, and infrastructure roles, and will also be coming in to mentor.

- **Program Directors & Managers** - Insight staff that offer continued guidance throughout the entire process. They point you to the right resources to help troubleshoot tough issues.

- **Mentor Companies** - Over 20 DevOps, SRE, and infrastructure teams at leading companies of various sectors and sizes will share the problems they're currently solving. This helps you better understand the current challenges in the industry and decide which teams you want to join.

- **Industry and Open Source Leaders** - Pioneers at the forefront of the field of DevOps that help you learn the best practices and newest trends in the industry.

Who's involved?

Mentors and hiring companies for the Insight DevOps Engineering Fellows Program will be from the following companies and more:

stripe **Linked in** **facebook** **Google**

Nextdoor **docker** **STITCH FIX** **lyft**

logdna **BOSCH** **Blue Apron** **Opendoor**

Responsibilities

As an Insight Fellow you're given the opportunity to learn from the best DevOps Engineers for seven weeks. The program is designed to remove as many obstacles as possible that stand between where you are now and becoming a successful engineering in the field of DevOps. With these benefits, however, come a few responsibilities:

- Actively and thoughtfully contribute to group activities and sessions during the program hours of 10am-6pm, Monday through Friday.
- Take a leave of absence, if applicable, from your current responsibilities (e.g. current employment or studies) in order to participate at Insight. Both the 7-week portion and the subsequent interview process require a full-time focus.
- Self-direct your learning and tackle a challenging DevOps Engineering project during the program, while giving and receiving constructive feedback.
- Interview for full-time DevOps, SRE, or infrastructure positions with Insight mentor companies upon completion of the program.
- Keep coming into the office during the interview weeks (when not interviewing) to participate in interview prep sessions with other Fellows.
- Support future Fellows by providing mentorship and guidance once you become a join the DevOps Engineering industry.

The guiding principle of Insight is: *Fellows first*. We strive to create an environment where you can learn and develop your career in DevOps Engineering. In return, we ask that you be fully engaged in the process and help pass on your learning to future Fellows through alumni mentoring, helping to make the Insight community stronger as a result.

Benefits

The Insight program is designed to provide all the training, resources and connections you'll need to effectively transition to a career in DevOps Engineering. Here are some of benefits of becoming an Insight Fellow:

● Guidance and mentorship from industry professionals at every stage of the program and as you prepare for interviews.

● Mentorship from Insight alumni whose experience, at Insight and in their current roles, make them a vital resource for guidance and feedback.

● Personalized company matching. We help you figure out which companies are the best fit for you based on our experience and in-depth conversations with the hiring managers. We then help you arrange interviews that take place after the final week of the program.

● Help navigate the negotiation of final employment terms once companies have made their employment offers to you.

● Full-tuition scholarship paid for by the hiring companies, so Fellows pay nothing to participate in the program. Need-based scholarships are also available to help cover living and travel expenses. Our goal is to make sure everyone with the right skills can participate in Insight, regardless of their financial situation.

● Full-time desk space at your Insight office in either New York or Silicon Valley during the program, with full-time access to a library of relevant resources.

● Dedicated computing resources on cloud providers like Amazon Web Services to build and maintain your infrastructure for the duration of the program.

● Advice from our team to help with your living arrangements for the duration of the program.

● Perhaps most importantly: an unparalleled professional network of SRE / DevOps engineers, AI professionals, data scientists, data engineers, friends, and acquaintances. Through the program you will meet and get to know several dozen top engineers who are Insight mentors and alumni, all of whom will be your industry peers. These professional contacts will be an invaluable source of knowledge, advice, career opportunities, and friendship in the years to come.

Frequently Asked Questions

How much are DevOps engineers and SREs compensated?

We are seeing starting base salaries of $130,000-140,000, plus benefits, equity and bonuses. Salaries can be significantly higher with more experience, with most companies matching or exceeding previous salaries. Given the shortage of engineers in the field of DevOps, you should expect your compensation to rise quickly in the first few years of your career if you are performing well.

How much the Insight DevOps Engineering Fellows Program cost?

$0 - there is no tuition for participating in the program. In fact, once accepted you will be able to apply for small, need-based scholarships to help offset any moving or living costs during the program. We are able to provide our fellowships at no cost to Insight Fellows since our mentor companies that hire out of the program are willing to fund the fellowships.

How long will it take to get an offer as an engineer in the field of DevOps?

The median time for our Fellows to complete the interview process and receive an offer is 5 weeks after the program, and approximately 85% receive an offer after 3 months of interviewing. We cannot guarantee an offer since Fellows must complete their own interview process, but we do continue to support and work with 100% of Fellows to get them a great role as in the DevOps industry. We continue to offer mentorship, office space and additional introductions to hiring teams, for as long as needed.

Apply Now or Learn More

To apply for the Insight DevOps Engineering Fellows Program, please visit:

https://www.insightdatascience.com/apply

For more information visit the Insight DevOps website at https://insightdevops.com or email us with questions at info@insightdevops.com